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-::: N&O #22 :::-

Hello everyone. I hope that the new year started promising for you. We begin 2000 with a morse special. Valeriano Martin wrote a M51 profile and Guy sent me a M76 profile and his updated morse station FAQ. The interest in CW stations seems to be very low though. So, if -YOU- are copying these stations, please let us know what you catch. It's the only way to make these stations more popular with our fellow listeners. Thanks!

>>> Guy's updated Morse station FAQ is now on the N&O website at
<http://home.luna.nl/~ary>

When mr Jeltsin resigned on 31-12-99, the FAPSI stations reportedly bursted to life. Unfortunately I was not near a radio that day so I haven't heard a thing :-(Did anyone caught something interesting? Please let me know, ok? I can use the logs and messages for the next N&O. Your help is much appreciated.

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* 1999 CLANDESTINE ACTIVITY SURVEY *

Clandestine stations are very often jammed by the governments that they oppose. The arrival of a new station opposing Iraq, to name just one, automatically means that the jamming activity increases. It is therefore interesting to know how the clandestine activity is developing. Take a look at the press release that Mathias Kropf sent to me:

1999 Clandestine Activity Survey Clandestine Activity decreases again

In 1999 the activity of political clandestine stations on shortwave has decreased by 8.7 % to 1116 Weekly Broadcasting Hours (WBHs). This marks the seventh year of decreasing activity in a row. The highest activity since this survey has been published (1986) was 2284

WBHs in 1990.

This year, activity on the Asian continent has decreased by 6.5 % to 819 WBHs, activity to target areas on the American continent has decreased by 7.4 % to 176 WBHs and activity to African target areas has even dropped by 20.3 % to 114 WBHs. Clandestine stations to target areas in Oceania are still active with 7 WBHs.

When compared with 12 months ago, the number of active target areas worldwide has dropped from 19 to 18. While Nigeria and Tajikistan are no longer active, Sri Lanka is shown active for the first time since 1990.

The three most active target areas worldwide are Iraq with 330 WBHs (+38 when compared with last year), Cuba with 162 WBHs (unchanged) and North Korea with 140 WBHs (-98).

*** End of Press Release ***

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* MORSE STATIONS *

::: UNID STATION

I copied an unid station on 14 Jan. at 2031 UTC on 2507.5 kHz using CW. The station transmitted 9 figure groups with short zeros. Each group started with a '8'. Most groups started with either 84 or 87. The CW was very fast and hand keyed. I passed the frequency a couple of minutes earlier and heard nothing. I assume that the transmission started at 2030 UTC. It ended at 2032 UTC. The station was apparently waiting for a response and after a minute or so it transmitted 'for ... (garbled) rpt'. After that nothing was heard.

Clues anyone?

::: SLOVAK MILITARY

Artho Wildhaber logged the Slovak military again on 4397 kHz in CW with F6X2 F6X2 F6X2 = T4FD T4FD T4FD +
and HXVH HXVH HXVH = NVKL NVKL NVKL +

::: MORSE STATIONS FAQ

Guy Denman updated his MORSE STATIONS FAQ. I included some of the info in this column. You can download your copy of the FAQ from the N&O home page at <http://home.luna.nl/~ary>

::: M10E

There is some doubt as to whether this station should be listed as M10E. M10 is Czech and M10E is Slovak. Has regular daily skeds and also a 4 week sked, Thursday to the following Tuesday 0900 (was 1000) on 5020 next transmission should start on Thursday 10 February 2000. Call is 111x3 nnnnnx3 nnx3. Uses 5 Figure IDs and sends Gc 3 times. Is the morse station of S10E, 'the Slovak man'. Present frequency 5019 but has also used 5705.

Daily skeds as of January 2000: Daily 1655, on 11064. 2100 on ????. Monday, Wednesday and Friday, 0700 on 8116, 1400 on 10048. These all change frequency every new month. These M10E messages are always 20 groups

::: M17 down the drain?? *** REPORTS WANTED ***

The last known sked of wednesday at 2000 UTC has not been heard since 29 December 1999, so it seems M17 has ended. If anyone has heard M17 since then, reports would be appreciated. Only known frequencies are 3410, 3910, 4270, 4461, 4740, 5235, 5695, 5865, 6290, 6675, 6935, 7425, 7990, 8070, 9050, 9425, and 10470 kHz.

::: M29

The daily transmission at 1800 and 2000 UTC has changed to Tuesday, Friday, and Saturday. The same message is now transmitted for the month. Changes frequency each month, but is using the same freqs as last year.

The morning transmission at 0700 and 0730 UTC, is on Tuesday only. At present, January 2000, on 5610 and 5710 kHz, but changes each month. Same message sent for one month.

Guy further reports that he has heard M29 on Monday 17 January. It is uncertain if this will be a regular one but it certainly looks this way as it was heard again on 24 Jan. with a different message. The frequencies of the Monday transmissions were different to the Tuesday transmission, as was the message. Guy first heard them on 10620 kHz but that was a harmonic. It was on at 0700 UTC on 5311 kHz and 0730 UTC on 5411 kHz. Repeated at 1300 and 1330 UTC.

Especially interesting is Guy's following note: ''Hans-Friedrich has mentioned that G04 has changed the encryption method, I copied the message and it seems M29 has done the same, as you can see there is no figure 9 in the message.''

Usual VDE call

12 12 36 36 17 17 0800 0800 =
57655 50558 80287 55466 47537 42516 20064 76741 11256 40460
16362 45158 85775 08746 15382 58005 52086 50032 25555 01405
43537 84682 33202 14260 80122 10532 86185 02658 28224 42705
15867 74121 20451 26434 78817 04641 +

The Tuesday morning transmission (18 Jan) was different from the Monday transmission. Same times on 5610 and 5710 kHz.

Usual VDE Call

71 71 27 27 4 4 0800 0800 = =
67163 00126 34810 62404 00627 55346 02037 40773 42328 46451
06762 38328 46570 10424 77013 26546 61511 24127 87651 52807
82288 70170 31018 84382 54322 44453 02804 +

The evening transmission at 2000 UTC on 4420 kHz was as follows; the one at 1800 UTC was not heard.

Usual VDE Call

67 67 25 25 1 1 1900 1900 = =
88544 45321 11372 85444 05466 00643 86614 35800 82483 42752
78068 03878 65432 45401 72518 21458 17051 73734 71267 14171
62216 53116 78207 08433 73360 +

As you can see the figure 9 still doesn't appear in the messages.

::: M39

Part of the M10 group but does not use M10 frequencies and can be on at any time. The length of the transmission varies and may include more than 1 ID.

Format:

458 458 458 76621 76621 Repeated 4 times
Period of dashes
458 458 458 73309 73309 Repeated 4 times

No ending, just stops after the last set of dashes.

::: M44

Continuous Roman Letters. More info badly needed!!!

:::M45

Similar format to M1 but is sent much slower at 12 WPM. Is part of the S21 family as the same message is sent to a different ID by the

S21 Voice station. It used to start every message with 5 zeros, but has just recently stopped doing that. Transmits at 1802 each Tuesday and Thursday. At present on 3525 // 4025 kHz to ID 525, but that is liable to change. Now sends IDs made up of last 3 figures of lowest parallel frequency. It always starts at 2 minutes past the hour. Possible frequencies and IDs:

January February	3525	//	4025	525	
March April	4555	//	4955	555	
May to August	5074	//	5474	074	On at 1702
September October	4555	//	4955	555	
November December	3525	//	4025	525	

::: M52

2 Figure 6 Figure. Another station that may be on at any time. Again when it is on can be on for days continuously. Heard on 5 November 1998 on 4802 kHz.

Format:

2000 11 II 253257 253257 253257 AR
2015 12 II 254987 254987 254987 II 99 AR

Latest log Friday 19 February 1900 to 2100 on 4801 sending
24 II 854957 854957 894957 AR

Logged again on 28 July 1999 on 5694
36 II 511919 511919 511919 II 29 II 222 AR

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::: M76 - STATION PROFILE

Guy Denman wrote the following profile. Great stuff; thanks! Guy is still the only one who regularly reports this station. It would be nice if we could get some more info and/or logs. Anyone?!?!?

M76 is a new station I have found on 11 December 1998. Is on at 0500 and 1750 it then repeats same message. Present frequency is 3819 but it does move lower in the Summer. Other frequencies noted are 3280 and 3293. Uses the same callsigns twice, but not on the same day. 1750 and 0500 the next day. Uses a different callsign each day, they can be a mixture of letters and figures. It does use accented letters in the callsign. So far noted U ..-- and A ..-

- Sample Preamble, having all the letters in it.
IEVF DE 2u7D QTC 10 29 = 26310 15151 16x5f groups 6144X RRRRR 20236
9247X WWWWW 71352 74974 546XX DDDDD 51551 60952 44458 NNNNN =

- Sample preamble just using R W & N
WJ1u DE 4RIW QTC 12 26 = 26310 051
60 15x5f 63614 RRRRR 206XX WWWWW
73853 77395 32740 3818X NNNNN =

- Sample messages
205 8 = 40545 79509 25505 93311 99399 39092 30844 8437X

- This message was first sent on 1999-11-22, and is still being sent on 1999-12-26

330 12 = 40545 79639 30505 93113 99399 39092 69361 4x5f 48437
333 10 = 40545 79639 33505 93813 19399 39092 32240 54579 63933 437XX
335 21 = 40545 79639 35505 94313 19399 39092 69002 12x5f 54484 37XXX
337 8 = 40545 79639 37505 94913 19399 39092 69544 9437X

You can see from these samples how the first groups have similarities. The first group of all messages is always 40545. As you can see the message always ends with 437.

Format:

IEVF DE 2u7D QTC 10 29 = 26310 15151 16x5f groups 6144X RRRRR 20236
9247X WWWWW 71352 74974 546XX DDDDD 51551 60952 44458 NNNNN =

IEVF (call 4 char. sent 3x) DE 2u7D ('de' + 4 char. call sent twice)

QTC 96 23 (QTC 96 is a serial number, next transmission day will be QTC 97. 23 is a group count). QTC goes up to 99 then starts at 01 again.

First part of preamble always starts 26310, and quite often has groups of 5 letters, heard so far are D R W and N Last group is always NNNNN. This first part, apart from the first group is always different. The group following RRRRR is usually 20*XX, then WWWWW but recently there have been some 2x5f Groups after this, as in the sample above.

Then follow several messages which can be repeated for days, sent as 335 33 = 33x5f = Last group usually contains some letter X. I take it that the messages keep on being sent until the recipient acknowledges the receipt of the message. The first six groups of the messages have similarities. The first group is always 40545 and the second starts with 7. The last two figures of the message are always 437. where the last group is 7XXXX, then the previous group will end with a 43.

The message is sent fairly fast at about 25 WPM. Not a very good signal in Southern England, but even worse in Holland. I have not

heard it from April 1999, until November 1999, as the path is all in daylight, and signals do not travel at that lower frequency. It was logged in Europe during the Summer Months. Here are a number of logs monitored during December. The small letters are the accented letters used a .-.- and u ..--

Day	UTC	freq	preamble	message(s)
3	1750	3819	HNID DE	KaWN QTC 84 35 = 330/12 205/8
4	0500	3819	HNID DE	KaWN QTC 85 20 = 330/12 205/8
5	1750	3819	V5P4 DE	I6R6 QTC 86 33 = 330/12 205/8
6	0500	3819	V5P4 DE	I6R6 QTC 87 33 = 330/12 205/8
7	0500	3819	8MLI DE	W46a QTC 89 30 = 330/12 205/8
7	1750	3819	R9SK DE	KLCC QTC 90 ?? = 331/8 330/12 205/8
8	1750	3819	6Q2L DE	CGBS QTC 92 28 = 333/10 331/8 330/12 205/8
9	0500	3819	6Q2L DE	CGBS QTC 93 29 = 331/8 330/12 205/8
10	0500	3819	E657 DE	DA88 QTC 95 25 = 331/8 330/12 205/8
10	1750	3819	146A DE	BHuZ QTC 96 26 = 331/8 330/12 205/8
11	0500	3819	146A DE	BHuZ QTC 97 28 = 334/11 331/8 205/8
11	1750	3819	PLQT DE	N3UH QTC 98 32 = 331/8 205/8
12	0500	3819	PLQT DE	N3UH QTC 99 29 = 331/8 205/8
13	0500	3819	3G4Y DE	FE0U QTC 02 29 = 331/8 205/8
13	1750	3819	7ATN DE	GJY9 QTC 03 32 = 335/21 331/8 205/8
14	0500	3819	7ATN DE	GJY9 QTC 04 31 = 335/21 331/8 205/8
14	1750	3819	MHNV DE	Q2FE QTC 05 31 = 335/21 331/8 205/8
15	0500	3819	MHNV DE	Q2FE QTC 06 21 = 335/21 331/8 205/8
15	1750	3819	a39B DE	01JR QTC 07 21 = 335/21 331/8 205/8
16	0500	3819	a39B DE	01JR QTC 08 28 = 336/10 335/21 331/8 205/8
16	1750	3819	IEVF DE	2u7D QTC 09 32 = 335/21 205/8
17	0500	3819	IEVF DE	2u7D QTC 10 29 = 335/21 205/8
17	1750	3819	WJ1u DE	4RI4 QTC 11 31 = 335/21 205/8
18	1750	3819	K2K3 DE	9IPI QTC 13 27 = 335/21 205/8
19	0500	3819	K2K3 DE	9IPI QTC 14 26 = 335/21 205/8
20	0500	3819	C13W DE	SSLK QTC 16 39 = 337/8 335/21 205/8
21	0500	3819	Dua1 DE	LDLQ QTC 18 31 = 337/8 335/21 205/8
21	1750	3819	BRMG DE	JP27 QTC 19 30 = 337/8 335/21 205/8
22	0500	3819	BRMG DE	JP27 QTC 20 19 = 337/8 335/21 205/8
23	0500	3819	NIAJ DE	YPHA QTC 22 28 = 337/8 335/21 205/8
23	1750	3819	FSHP DE	AVGT QTC 23 35 = 337/8 335/21 205/8
24	0500	3819	FSHP DE	AVGT QTC 24 21 = 337/8 335/21 205/8
24	1750	3819	GDDQ DE	4UQY QTC 25 26 = 337/8 335/21 205/8
25	0500	3819	GDDQ DE	4UQY QTC 26 34 = 337/8 335/21 205/8
25	1750	3819	QFEO DE	TY4N QTC 27 = 338/30 337/8 335/21 205/8

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::: M51 PROFILE

researched and written by Valeriano Martin and translated by an old

friend. EXCELLENT work guys!

M51 is a station supposedly linked to French Military Intelligence and operates from close to Paris. The first intercepts registered from this transmitter date from June 1996, and probably not much before this was the beginning of its existence, considering how improbable it'd be for such long transmissions to escape the European Utility scene undetected.

M51's services begin every Monday at dawn and stay on the air until Friday evening. They consist of an interminable succession of messages numbered from 01-90, each one being composed of 100 5-letter groups. Each message is preceded by a header like this:

BT NR 38 N 30 08:13:28 1999

which consists of the following onformation:

NR 38 = message number, it is a one-up number from 01-90, which
 returns to the beginning again
N = first letter of the month in French
30 = date
08:13:28 = Central European Time (UTC +2 Summer, UTC+1 in Winter)
 Sometimes, it lags real time by a few minutes.
1999 = year

It alternates between 6 pairs of frequencies that change every week, although this transmission has been observed staying on the same frequencies for up to four weeks at a time. Three pairs of frequencies are usually utilized for most of the daytime (from +/- 0530-1530 UTC), and the other three for the rest of the day.

The following table covers the intercepts during weeks 22-49 divided by week period, and then each 3 pairs of AM and PM frequencies (A,B,C) Information about the missing frequencies is much appreciated.

----- morning frequencies -----						
Week	A	A	B	B	C	C
49		3846	3672		4473	5455
48	3608	4825	3820	5355,5	5424	
47	3162		4970		6787	5243
7330						
46	4481	4798,5	5129	5740		7340
45		4024	6839	5018	8015	7390
44	3687	5134,5	4488,5	5827,5	6862,5	6940
43	3692	5149	4495	5869	6925	6963
42	3692	5149	4495	5869	6925	6963
41	3670	5067	4440	5455	6886	5907,5
40		5193	4626,5	5907	7330	7373,5

39	3800	4447			7420	5243
38	4628	5190	5320	5905		
37	3757	5224		5907	6976,5	7340
36		5223	4597,5	5905	6974,5	7340
35	8043	5224	6976,5	5907	6984	5787
34	3800		5318	5904,5		5377
33	2381	4024	2712			5740
32	3730	5223	4552,5	5907	6976,5	7340
31	3730	5223	4552,5	5907	6976,5	7340
30	3730	5223	4552,5	5907	6976,5	7340
29	3730	5223	4552,5	5907	6976,5	7340
28					6981	6950
27						
26					6888,5	5124
25		5425	5838	5892		
24		5425	5838	5892		
23		5425	5838	5892		
22		5425	5838	5892		

	----- afternoon frequencies -----					
Week	A	A	B	B	C	C
49	5277		5907,5	6839		
48	2395,5	3687	5142	5427	5442,5	
47						7330
46	10651	11615	5130	3670	6924,5	6787
45		3866	5277	3710	5797,5	
44	2548	3957	5318	6888,5	6974,5	
43	2550	3959	5319,5	6941		7317,5
42	2550	3959	5319,5	6941		7317,5
41		3844	5267,5	5930		
40		4482,5	5318,5			7363,5
39	5243	3771		6984		
38		3800				
37	2567	4039	5336	6984		7387,5
36		4031	5334,5	6981		7373,5
35		3757	4597,5			
34	2548	4447				7937,5
33	2290,5		5320	3771		
32	2563	4025	5337	6984	6984,5?	7387,5
31	2563	4025	5337	6984	6984,5?	7387,5
30	2563	4025	5337	6984	6984,5?	7387,5
29	2563	4025	5337	6984	6984,5?	7387,5
28		4024	5192,5	3745		7361
27			5189,5	3708	6974,5	
26	2550	3882	5279	6839		
25		3824	5226	5870	5907,5	
24		3824	5226	5870	5907,5	

23	3824	5226	5870	5907,5
22	3824	5226	5870	5907,5

The preference shown by M51 for the 2-8 Mhz bands doesn't seem to always have been the case. There are intercepts of this transmission in the 16m band. The highest frequency intercepted was 11615 Khz.

Frequency assignment in each hour block seems to follow some well-established rules; but I don't have enough intercepts (especial in daytime hours) to discover the regularities between the numerous exceptions that are observed. In general, it can be said that, each hour block (AM/PM), there are three schedules with different transmissions. In this manner, in one day, all 6 available frequencies are utilized. The next day, each pair of frequencies jumps ahead one schedule in its hour block, with the exception of the frequency that occupied the first schedule position, which naturally falls to the last position.

The following table follows with weekly programming: footnotes reveal that each color represents the frequency pairs, and that grey represents periods of inactivity. [Note that the colors are replaced by numbers and the inactive periods are marked as 'ina' in this article. A jpg of the original table is included in the file on the N&O website]

UTC	Mon	Tue	Wed	Thu	Fri
0530-0630	ina	-2-	-1-	-3-	-2-
0630-0930	-2-	-1-	-3-	-2-	ina
0930-1100	ina	ina	ina	ina	ina
1100-1530	-1-	-3-	-2-	-1-	-3-
1530-1630	ina	ina	ina	ina	ina
1630-1930	-4-	-5-	-6-	-4-	ina
1930-2300	-5-	-6-	-4-	-5-	ina
2300-0530	-6-	-4-	-5-	-6-	ina

The schedules indicated in the previous table seem to vary without an apparent pattern. It is not only that frequency changeovers can jump ahead or fall behind with regard to the indicated time, but that a schedule can be prolonged for hours and hours beyond the foreseen limit, almost as if someone had forgotten to change to the appropriate frequency. This is a circumstance requiring further study, as it is, in fact, a scheme of transmissions that occur during the central hours of the day, submerged, for me, in a nebulous cloud of abysmal reception. For all that, the information contained in this table is still subject to corrections, and should be considered orientational, especially for the period between the hours of 0930-1930 UTC.

When a frequency change occurs, the transmission starts again in the exact place it left off at. This fact, which has been seen over and

over again in frequency changes without interruption, has not been confirmed for those other transmissions in which a time lapse of no transmissions between schedules has occurred (like between 0930-1100 or 1530-1630 UTC. Limited though I am in ability to follow daytime transmissions, I was able to indirectly compare and analyze transmitted message serial numbers. These are transmitted with fair regularity at a rate of about 10 per hour (374.3 seconds per message if you want a more precise approximation), which permits the linking of a relationship between the message serial numbers and the number of messages sent, and the time necessary to do it.

We can suppose that on a given day, there are two intercepts of M51, one at 1000 AM and the other at 1900 PM. In the nine hours lapsed between both intercepts, some 87 messages of 374.3 second duration can fit. Accordingly, if the transmitter was operating without interruption during all this time between intercepts, the message header of the message transmitted in the PM will have been 87 higher in message serial number than that transmitted in the AM. On the contrary, if transmission occurred with out interruption anytime during the day, and later continued at the point in which it left off, it would be seen in this second intercept a gap that corresponds to this pause in time. Returning to the example, if the transmitter had stopped operating for an hour, the second intercept wouldn't have been 87 message serial numbers higher, but 10 message serial numbers lower, or 77. So, there were 10 messages that were not transmitted during that hour of interruption. The same reasoning can be extended to longer periods of time, with intercepts more widely separated in time, with the resultant added indetermination with respect to the number of complete cycles of 90 messages that occurred between intercepts.

Statistical analysis of available intercepts demonstrates that there is a daily loss of about an hour, but that it is slightly different for each day of the week: the greatest on Monday and Wednesday; and the least on Thursday. Week after week, this same pattern is repeated with almost identical figures.

The following table shows the daily deficit of transmission hours deduced from analyzing message headers, and are separated by number of messages and hours.

	Mon	Tue	Wed	Thu	Fri(AM)	Fri(PM+Sat/Sun)
Messages	12,9	9,5	11,4	8,3	5,1	594,9
Hours	1:20	0:59	1:11	0:51	0:32	62:47

Irregardless, the periods of interruption shown in the schedule table total up to no less than two hours per day. Does this mean that there is an as yet undetected daytime transmission? It is a distinct possi-

bility, but it would be difficult to prove without evidence, though one could let oneself be persuaded by the mere statistical evidence.

To try to throw more light on the subject, it is necessary to go back to the last week of October 1998. At that time, the clock that controlled transmission was out of adjustment, probably caused by the shift to Winter time. As a consequence of this mistake, the time sent in the message headers did not correspond to local time. On the morning of the 26th, normal transmissions were occurring on 6940 Khz and 6963 Khz, but the time transmitted in the message header was two hours ahead of local time. Until 0800 UTC, (0900 local time, 1100 transmitted time), an unexpected morse lesson was transmitted on the frequencies by callsign FAV22.

FAV22 is a French Army transmitter in the service of the French Amateur Radio Union for teaching morse. Each week, a daily lesson is offered at 1100 local time [1000 UTC], and is repeated in the afternoon at 1545 UTC. Both are simultaneously transmitted in parallel on 3881 and 6825 kHz and last approximately a half-hour. Supplemental lessons are transmitted on Sunday mornings. That FAV22 appeared unexpectedly on frequencies occupied by the M51 transmission makes one think there is a link between both stations, an impression that is strengthened by the observation of the incorrectly set control clock used to time the morse lesson. In my opinion, that revealing incident demonstrated the automation of both transmitters was done by the same equipment. On this point, one can go back and see that the FAV22 morse lessons only occur during those periods when the M51 transmission is inactive: the two daily gaps or during the weekend.

Each FAV22 morse session consists of four lessons daily: the 1st and 3rd, with characteristic 5-figure or 5-letter groups, while the other two are clear French plaintexts that include accented characters. Transmission speed goes up as the week goes on, reaching 960 characters per minute on Fridays. The length of these lessons also varies with ability level, and considering these two factors together, gives the characteristic of having the same type of session on each day of the week. After timing the FAV22 transmissions for more than a month, I've obtained the following averages:

The following table shows lesson duration divided by weekdays and separated by individual lesson and total lesson time. The table includes a call-up of 278 seconds' duration, which is the same for each day of the week.

	Mon	Tue	Wed	Thu	Fri
Individual session	0:39:26	0:28:43	0:35:02	0:25:03	0:32:09
Total sessions	1:18:52	0:57:27	1:10:05	0:50:07	1:04:18

Later, there exists a perfect correlation between the deficit observed in the M51 transmission and that of the morse lessons. (Compare for yourselves the two tables) Is there a need for more indications that the two transmitters share the same installation and transmission time? For he who still doubts it, I recommend tuning up to 6825 Khz at 0930 or 1530 UTC (one hour less in Summer) at just the moment when M51 ends its transmission on its usual frequencies. With almost complete certainty, one can still hear some groups being sent by the M51 transmission just minutes before VVV DE FAV22 appears on the frequency.

The weekly programming table now includes both M51 and FAV22. [Note that the colors are replaced by numbers while the inactive periods are marked as 'ina' and the FAV22 transmissions are marked 'fav' in this article. A jpg of the original table is included in the file on the N&O website]

UTC	Mon	Tue	Wed	Thu	Fri
0530-0630	ina	-2-	-1-	-3-	-2-
0630-0930	-2-	-1-	-3-	-2-	ina
0930-0955	ina	ina	ina	ina	ina
0955-1025	fav	fav	fav	fav	fav
1025-1100	ina	ina	ina	ina	ina
1100-1530	-1-	-3-	-2-	-1-	-3-
1530-1540	ina	ina	ina	ina	ina
1540-1610	fav	fav	fav	fav	fav
1610-1630	ina	ina	ina	ina	ina
1630-1930	-4-	-5-	-6-	-4-	ina
1930-2300	-5-	-6-	-4-	-5-	ina
2300-0530	-6-	-4-	-5-	-6-	ina

The periods of inactivity that precede and follow each FAV22 lesson remain unexplained, and don't leave a trail (clue) - and this is the hallmark - in the sequence of messages from the M51 transmission, it is as if the transmission had continued during those minutes. It does not seem probable that that there is an as yet undetected transmission, given that the changeover to the FAV22 transmissions is so perceptible, as has just been indicated. We'll have to think, then, that the succession of messages continues internally, without going on the air, or that the restart of M51 transmissions is accounted for in the pause in order to (correctly) calculate the corresponding numbering.

According to the pages of the French Radio Amateur Union, control of FAV22 is done by the Center for Control of Northern Frequencies by the French Army Fort at Kremlin-Bicetre, on the periphery of Paris, and that the transmitter, of 1 KW, is located in Vernon, 65 km to the northwest. These same installations, according to the aforementioned source, are those utilized each Thursday (not on Sundays anymore since January 1999) as a platform for morse exercises that comes from the

collaboration between the French Army and Radio Amateurs' Union, in this case, the F9TM network. But, while the FAV22 morse lessons are on the air while M51 is inactive, the F9TM Thursday lessons take place at 1900 UTC during the M51 activity. There are few and insufficient data to confirm this with total confidence, but I believe I have observed that M51 momentarily abandons its second parallel frequency during execution of the F9TM lessons.

The Center for Control of Northern Frequencies has recently confirmed an intercept of mine of the M51 transmission. On the QSL card, I was informed that the transmissions come on the air from Favieres, about 80 km to the southeast of Paris. This report doesn't only contradict my hypothesis about Vernon, but also that of radio direction-finding equipment, which locates the transmitter just north of the capital. I'd bet that both theories were based on obsolete data. [note: earlier df's from Germany and Holland confirm Favieres, Valeriano -Ary-]

-o-o-o-o-o-o-o-o-o-o-

::: M8 SCHEDULES sorted by time/freq updated: 1/1/2000
maintained by Bob Roehrig <broehrig@admin.aurora.edu>

ZULU	KHZ	M	T	W	T	F	S	S
=====	=====	=	=	=	=	=	=	=
0100	4506				X			
0200	4016				X			
0200	5116					X		
0200	5419	X					X	
0200	5758							X
0200	7887							X
0200	10714	X						
0300	4016						X	
0300	4028	X	X		X			X
0300	4506		X					X
0300	5419			X				
0300	5758				X			
0400	3244							X
0400	4034					X		
0400	9330	X						
0400	10125					X		
0400	10235	X						X
0500	9062							X
0500	9330					X		
0600	9153	X						
0700	3150	X						
0700	9064							X
0700	9153			X	X			
0800	8095		X					

0800	10237					X
0900	9153	X				
0900	9238	X	X			
1000	9153	X			X	
1000	9333		X			
1100	4025				X	
1100	4173					X
1100	4478				X	
1100	8136				X	
1100	9238					X
1100	10346				X	
1100	10448	X	X			
1200	6767					X
1200	6797	X	X	X	X	X
1200	6866			X		
1200	6933				X	
1200	6982	X				
1200	6982	X				
1200	7890	X				
1200	9152				X	
1300	6767		X			
1300	6786					X
1300	6854		X			
1300	6866				X	
1300	6932	X			X	
1300	6982	X				X
1300	7320			X		
1300	7890		X	X		
1300	10566			X		
1400	7890				X	X

-0-0-0-0-0-0-0-0-0-0-0-

* VOICE STATIONS *

::: THREE NOTE ODDITY [G04]
by Hans-Friedrich Dumrese

```

Message : 57623 68225 20633 48504 54045 67431 65517 41814 45341 15082
          68304 62484 86826 82384 56746 37572 88513 35715 03464 64624
          88116 38644 60663 75257 07324 41675
          = 26 groups

```

```
Analysis: Frequent groups      : -
          First two figures    : 03464      Last three figures: 54045
                                07324      15082
                                15082      88116
                                20633      68225
```

35715	75257
37572	68304
38644	07324
41675	45341
814	82384
45341	67431
48504	03464
54045	62484
56746	48504
57623	88513
60663	65517
62484	37572
64624	57623
65517	64624
67431	20633
68225	38644
304	60663
75257	41675
82384	35715
86826	56746
88116	41814
513	86826

Remarks : same as December:

- * no double or triple groups
 - * no groups with the same last three figures
 - * no figure "9" in the whole message
 - * groups with "0" as first figure
- I think they have changed the cryptographic method.

<note: see also Guy's remarks on morse station M29! Strange that G04 doesn't use a header like its CW sister. -Ary- >

History : Summer 2005 2035
 Winter 2105 2135

Freqs:	01/99	3415	3315	
	02/99	3905	3805	
	03/99	4520	4420	
	04/99	5310	5210	[see for freqs prior
	05/99	5570	5470	to 1999 previous N&O's]
	06/99	5720	5620	
	07/99	5680	5580	
	08/99	5730	5630	
	09/99	5320	5220	
	10/99	5320	5220	
	11/99	3910	3810	
	12/99	3360	3260	

Both Francesco and Alf reported the rare Israeli 'ZWL' transmission on 26 Dec. at 2105 UTC (Alf) and 2125 UTC (Francesco) on 5000 kHz.

Someone asked for PLO frequencies. This is what I have. They were logged in 1991-98 so I don't know if they are still active. If you have additional info, please write.

Joerg Eberhardt copied V8 on Saturday 8 Jan. at 1900-1929 UTC on 6648 kHz with Arabic music and numbers during a badly modulated transmission.

ZULU	KHZ	M	T	W	T	F	S	S	NOTES
0000	12215						X		
0100	3926							X	
0100	6768						X		
0100	10126				X				
0200	3245							X	
0200	3292	X							
0200	5762						X		
0200	5762						X		
0200	7887							X	
0200	8532				X				
0200	9024		X						
0200	9063			X					
0200	9360		X						
0200	12165	X							
0200	12180		X						
0200	12215					X			
0300	5800	X							
0300	5800	X							
0300	7555						X		

0300	10446		X		
0300	11566			X	
0400	4479			X	
0400	6768	X			
0400	8636				X
0500	7726				X
0500	10445	X			
0600	3990	X			
0600	6786				X
0600	8097		X		
0600	9330	X			
0600	13380		X		
0700	4174				X
0800	8975		X		
0800	9115	X			
1000	4028	X		X	
1000	7583	X			
1100	4461				X
1100	4507			X	
2300	18475		X		

In addition to the above sked, John Maky reports two new ones. He heard V2 at 0400 UTC on Friday 21-1, 4017 kHz - not a replacement for 4479 kHz which was up and running.

Another one at 0400 UTC on Wednesday 19-1 was copied on 5135 kHz -not a replacement for 4329 kHz which was up and running.

::: E5/V5 SCHEDULES sorted by time/freq updated: 1/1/2000
maintained by Bob Roehrig <broehrig@admin.aurora.edu>

ZULU	KHZ	M	T	W	T	F	S	S	LANG	NOTES
=====	=====	=	=	=	=	=	=	=	=====	=====
0100	13452.0			X		X			V5	//15651
0100	15651.0			X		X			V5	//13452
0200	4635.0					X			E5	//5238
0200	4645.0	X	X	X		X	X		E5	//5407
0200	5238.0					X			E5	//4635
0200	5407.0	X	X	X		X	X		E5	//4645
0300	10665.0	X			X				V5	//11491
0300	11491.0	X			X				V5	//10665
0300	12300.5		X				X		V5	//14421
0300	14421.0		X				X		V5	//12300.5
0400	8085.0		X						E5	
1200	13906.0			X				X	E5	//15732
1200	14577.0			X				X	E5	//16198
1200	15651.0		X	X	X				E5	//17390

1200	15732.0		X		X	E5	//13906
1200	16198.0		X		X	E5	//14577
1200	17390.0		X	X	X	E5	//15651
1300	14739.0		X		X	E5	//16198
1300	16198.0		X		X	E5	//14739
1300	18240.0				X	E5	
1400	13555.0			X	X	E5	//15732
1400	15732.0			X	X	E5	//13555
1600	15822.0				X	E5	//16198
1600	16198.0				X	E5	//15822
1600	18176.0	X	X	X	X	X	E5 //19325
1600	19325.0	X	X	X	X	X	E5 //18176
1700	5805.0				X	E5	
1700	8085.0	X		X		E5	//9219
1700	9219.0	X		X		E5	//8085
1700	10727.0				X	E5	
1700	13450.0			X	X	E5	//14448
1700	14448.0			X	X	E5	//13450
1800	5175.0				X	E5	
1800	9070.0				X	E5	
1800	11072.0				X	E5	//13465
1800	13444.0	X			X	E5	//14905
1800	13465.0				X	E5	//11072
1800	14905.0	X			X	E5	//13444
1900	5805.0				X	E5	
1900	10727.0	X				E5	//12175
1900	11564.0	X				E5	
1900	12175.0	X				E5	//10727
2000	8125.0		X			E5	
2000	10643.0		X			E5	
2000	12197.0	X				E5	//14600
2000	14600.0	X				E5	//12197
2100	8125.0	X				E5	
2100	10583.0		X			E5	
2100	14425.0				X	E5	//16343
2100	16343.0				X	E5	//14425
2200	12229.0	X				E5	//14432
2200	14432.0	X				E5	//12229

-0-0-0-0-0-0-0-0-0-0-

★ INTELLIGENCE NEWS ★

According to the Stavanger Aftenbladet, Stein Viksveen, the paper's correspondent in Brussels, has been charged with spying for the Stasi during the cold war. He was accused of delivering secret NATO documents to the DDR during 1962-1989. His Brussels' apartment was searched by the Norwegian secret police and the Belgian anti-terrorism police late

November.

-0-0-0-0-0-0-0-0-0-0-

* LOGS SECTION - January 2K *

2270.0 E10 In progress USB 13/01/2000 Thu 2142 (GG)
2626.0 E10 In Progress USB 12/01/2000 Wed 0105 (GG)
2626.0 E10 weak USB 13/01/2000 Thu 1700 (GG)
2626.0 E10 In progress weak USB 13/01/2000 Thu 2204 (GG)
2626.0 E10 FTJ 54 XRTBE USB 23/01/2000 Sun 2300 (GG)
2628.0 E10 Mossad YL/EE: FTJ USB 16/01/2000 Sun 2230 (LAZ)
2743.0 E10 in progress USB 24/01/2000 Mon 0039 (GG)
2844.0 E10 i/p USB 01/01/2000 Sat 0000 (GG)
2844.0 E10 YHF USB 15/01/2000 Sat 0000 (GG)
2844.0 E10 YHF with QRN USB 24/01/2000 Mon 0000 (GG)
3090.0 E10a MIW2 USB 01/01/2000 Sat 0015 (GG)
3090.0 E10a ??W2 USB 13/01/2000 Thu 1915 (GG)
3090.0 E10a MIW2 USB 23/01/2000 Sun 2315 (GG)
3150.0 E10a PCD2 USB 14/01/2000 Fri 2100 (GG)
3150.0 E10a PCD2 USB 14/01/2000 Fri 2330 (GG)
3150.0 E10a PCD2 USB 23/01/2000 Sun 2330 (GG)
3260.0 G04 38164 053222 27 gr. AM 02/12/1999 Thu 2135 (HFD)
3270.0 E10a VLB2 USB 13/01/2000 Thu 1745 (GG)
3270.0 E10a VLB2 USB 13/01/2000 Thu 1945 (GG)
3270.0 E10a VLB2 USB 13/01/2000 Thu 2145 (GG)
3270.0 E10a VLB2 USB 14/01/2000 Fri 2345 (GG)
3270.0 E10a VLB2 USB 23/01/2000 Sun 2345 (GG)
3270.0 E10a VLB2 USB 24/01/2000 Mon 0045 (GG)
3270.0 E10a VLB2 USB 24/01/2000 Mon 0145 (GG)
3292.0 V02a unreadable due to low audio AM 25/01/2000 Tue 0200
3302.5 V02 No call up. CW 18/01/2000 Tue 0201 (JM4)
3302.5 V02a from 3292? i/p in CW mode CW 18/01/2000 Tue 0200 (JM4)
3360.0 G04 same as 3.12. AM 05/12/1999 Sun 2105 (HFD)
3389.0 V02a A 34912 85311 02293 AM 18/01/2000 Tue 0100 (JM4)
3415.0 E10 ART 9 XUZPA USB 09/01/2000 Sun 0130 (GG)
3415.0 E10 In Progress (weak) USB 13/01/2000 Thu 1648 (GG)
3415.0 E10 ART 77 YVGJP USB 13/01/2000 Thu 1700 (GG)
3415.0 E10 In progress USB 13/01/2000 Thu 2106 (GG)
3415.0 E10 In progress USB 13/01/2000 Thu 2204 (GG)
3415.0 E10 ART USB 13/01/2000 Thu 2230 (GG)
3415.0 E10 ART 2 msgs: 19 QKVPA/35 JGNLB USB 14/01/2000 Fri 1800 (GG)
3415.0 E10 In progress USB 14/01/2000 Fri 2017 (GG)
3415.0 E10 ART 44 FJONO USB 14/01/2000 Fri 2030 (GG)
3415.0 E10a ART2 USB 24/01/2000 Mon 0000 (GG)
3440.0 G04 3 note oddity. AM 13/01/2000 Thu 2105 (HFD)
3440.0 G04 3 note odity. AM 13/01/2000 Thu 2135 (HFD)

3485.0 E10 Mossad YL/EE: very badly distorted USB 22/01/2000 Sat 2030 (LAZ)
 3485.0 E10a KPA2 USB 13/01/2000 Thu 2218 (GG)
 3640.0 E10 too weak to ID (during daylight!) USB 20/01/2000 Thu 2345 (JM4)
 3640.0 E10 //4780 SYN2 USB 28/01/2000 Fri 0245 (JM4)
 3640.0 E10a SYN2 USB 13/01/2000 Thu 1745 (GG)
 3640.0 E10a SYN2 USB 13/01/2000 Thu 1945 (GG)
 3640.0 E10a SYN2 USB 13/01/2000 Thu 2145 (GG)
 3640.0 E10a SYN2 USB 14/01/2000 Fri 1745 (GG)
 3640.0 E10a SYN2 still on at 2117 USB 14/01/2000 Fri 2100 (GG)
 3640.0 E10a SYN2 USB 14/01/2000 Fri 2345 (GG)
 3640.0 E10a SYN2 USB 21/01/2000 Fri 2115 (GG)
 3640.0 E10a SYN2 USB 23/01/2000 Sun 2345 (GG)
 3640.0 E10a SYN2 USB 24/01/2000 Mon 0045 (GG)
 3640.0 E10a SYN2 USB 24/01/2000 Mon 0145 (GG)
 3819.0 M76 v.weak CW 11/01/2000 Tue 0500 (LAZ)
 3840.0 E10 i/p USB 01/01/2000 Sat 0000 (GG)
 3840.0 E10 YHF USB 13/01/2000 Thu 1730 (GG)
 3840.0 E10 In progress USB 13/01/2000 Thu 1940 (GG)
 3840.0 E10 In progress USB 13/01/2000 Thu 2106 (GG)
 3840.0 E10 In progress USB 13/01/2000 Thu 2204 (GG)
 3840.0 E10 YHF USB 13/01/2000 Thu 2230 (GG)
 3840.0 E10 YHF 58 XWWRP USB 14/01/2000 Fri 2100 (GG)
 3840.0 E10 YHF USB 15/01/2000 Sat 0000 (GG)
 3840.0 E10 Mossad YL/EE: YHF USB 16/01/2000 Sun 2230 (LAZ)
 3840.0 E10 Mossad YL/EE: in progress @ 1941 USB 17/01/2000 Mon 1930 (LAZ)
 3840.0 E10 YHF QRM from hams (during daylight!) USB 21/01/2000 Fri 0000 (JM4)
 3840.0 E10 YHF 58 XWWRP USB 21/01/2000 Fri 2100 (GG)
 3840.0 E10 YHF USB 22/01/2000 Sat 0330 (GG)
 3840.0 E10 Mossad YL/EE: YHF USB 22/01/2000 Sat 1930 (LAZ)
 3840.0 E10 YHF 58 XWWRP USB 23/01/2000 Sun 2300 (GG)
 3840.0 E10 //4560 YHF weak USB 23/01/2000 Sun 2300 (JM4)
 3840.0 E10 YHF with QRN USB 24/01/2000 Mon 0000 (GG)
 3840.0 E10 in progress USB 25/01/2000 Tue 1734 (GG)
 3840.0 E10 Mossad YL/EE: YHF USB 27/01/2000 Thu 1930 (LAZ)
 3926.5 M08a Weak CW 04/01/2000 Tue 0300 (GH)
 3927.0 V02a unreadable QRM from hams AM 09/01/2000 Sun 0100 (JM4)
 4014.0 M03 CW 17/01/2000 Mon 0630 (LAZ)
 4014.0 XW "whales" on new frequency 19/01/2000 Wed 0415 (JM4)
 4014.0 XW "whales" 21/01/2000 Fri 0340 (JM4)
 4014.0 XW "whales" 26/01/2000 Wed 0230 (JM4)
 4016.0 M08 Cuban Cut Numbers: v.faint CW 15/01/2000 Sat 0300 (LAZ)
 4016.5 M08a RDUTD NIRNN WAADD CW 08/01/2000 Sat 0300 (JM4)
 4016.5 M08a RDUTD NIRNN WAADD CW 08/01/2000 Sat 0300 (GH)
 4016.5 M08a in progress w/audio problems CW 20/01/2000 Thu 0200

4016.5 M08a in progress CW 24/01/2000 Mon 0300 (JM4)
 4017.0 V02a A 54502 85201 85121 new schedule AM 21/01/2000 Fri 0400 (JM4)
 4017.5 M08a in progress CW 27/01/2000 Thu 0200 (JM4)
 4017.5 M08a in progress CW 27/01/2000 Thu 0400 (JM4)
 4027.5 M08 Cuban Cut Numbers: in progress @ 0304 CW 07/01/2000 Fri 0300 (LAZ)
 4027.5 M08 Cuban Cut Numbers CW 11/01/2000 Tue 0300 (LAZ)
 4027.5 M08a Very weak CW 04/01/2000 Tue 0300 (GH)
 4027.5 M08a In callup CW 07/01/2000 Fri 0300 (GH)
 4027.5 M08a In prog, not on at the top of the hour; a bit behind 9153.5 CW 11/01/2000 Tue 0629 (GH)
 4027.5 M08a DNMRM DGUGA MNNMA CW 21/01/2000 Fri 0300 (JM4)
 4027.5 M08a DNMRD TWWDU IGGMN CW 25/01/2000 Tue 0300 (JM4)
 4027.5 M08a in progress CW 28/01/2000 Fri 0300 (JM4)
 4028.0 V02 Spanish Lady YL/SS: in progress @ 0504 AM 07/01/2000 Fri 0500 (LAZ)
 4028.0 V02a In prog AM 03/01/2000 Mon 1007 (GH)
 4028.0 V02a In prog, weak AM 06/01/2000 Thu 1003 (GH)
 4028.0 V02a A 22662 93033 08561 AM 08/01/2000 Sat 0200 (JM4)
 4028.0 V02a A 22663 45862 08562 AM 15/01/2000 Sat 0200 (JM4)
 4028.0 V02a in progress AM 21/01/2000 Fri 0500 (JM4)
 4028.0 V02a A 49441 90601 08563 AM 22/01/2000 Sat 0200 (JM4)
 4034.5 M08a _____ DUDUN UIUD_; some tone problems? CW 08/01/2000 Sat 0403 (GH)
 4035.0 V02 Classic spanish station, strong signal AM 02/01/2000 Sun 0400 (PA)
 4035.0 V02a unreadable due to low audio AM 24/01/2000 Mon 0400
 4035.5 M08a MMUAD DUDUN UIUDA CW 08/01/2000 Sat 0400 (JM4)
 4035.5 M08a weak/unreadable CW 22/01/2000 Sat 0400 (JM4)
 4165.0 E10 MIWI50345; pause; msg coming string; AM 02/01/2000 Sun 0350 (RRS)
 4165.0 E10 Mossad YL/EE: MIW2 USB 02/01/2000 Sun 2100 (LAZ)
 4165.0 E10 MIW2 USB 20/01/2000 Thu 0215 (JM4)
 4165.0 E10 //5530 MIW2 USB 20/01/2000 Thu 2315 (JM4)
 4165.0 E10 //5530 MIW2 USB 21/01/2000 Fri 0115 (JM4)
 4165.0 E10 //5530 MIW2 USB 21/01/2000 Fri 0215 (JM4)
 4165.0 E10 //5530 MIW2 USB 21/01/2000 Fri 0315 (JM4)
 4165.0 E10 //5530 MIW2 USB 22/01/2000 Sat 0115 (JM4)
 4165.0 E10 //5530 MIW2 USB 22/01/2000 Sat 0215 (JM4)
 4165.0 E10 //5530 MIW2 USB 22/01/2000 Sat 0315 (JM4)
 4165.0 E10 //5530 MIW2 USB 22/01/2000 Sat 0415 (JM4)
 4165.0 E10 Mossad YL/EE: MIW2 USB 22/01/2000 Sat 2115 (LAZ)
 4165.0 E10 //5530 MIW2 USB 23/01/2000 Sun 2315 (JM4)
 4165.0 E10 //5530 MIW2 USB 24/01/2000 Mon 0015 (JM4)
 4165.0 E10 //5530 MIW2 USB 24/01/2000 Mon 0115 (JM4)
 4165.0 E10 //5530 MIW2 USB 24/01/2000 Mon 0215 (JM4)
 4165.0 E10 //5530 MIW2 USB 24/01/2000 Mon 0315 (JM4)

4165.0 E10 //5530 MIW2 USB 24/01/2000 Mon 0415 (JM4)
 4165.0 E10 //5530 MIW2 USB 24/01/2000 Mon 2315 (JM4)
 4165.0 E10 //5530 MIW2 USB 25/01/2000 Tue 0015 (JM4)
 4165.0 E10 //5530 MIW2 USB 25/01/2000 Tue 0115 (JM4)
 4165.0 E10 //5530 MIW2 USB 25/01/2000 Tue 0215 (JM4)
 4165.0 E10 //5530 MIW2 USB 26/01/2000 Wed 0115 (JM4)
 4165.0 E10 //5530 MIW2 USB 26/01/2000 Wed 0215 (JM4)
 4165.0 E10 Mossad YL/EE: MIW2 USB 27/01/2000 Thu 0115 (LAZ)
 4165.0 E10 //5530 MIW2 USB 27/01/2000 Thu 0115 (JM4)
 4165.0 E10 //5530 MIW2 USB 27/01/2000 Thu 0215 (JM4)
 4165.0 E10 //5530 MIW2 USB 27/01/2000 Thu 0315 (JM4)
 4165.0 E10 Mossad YL/EE: MIW2 USB 27/01/2000 Thu 1915 (LAZ)
 4165.0 E10 //5530 MIW2 USB 28/01/2000 Fri 0215 (JM4)
 4165.0 E10a MIW2 USB 01/01/2000 Sat 0015 (GG)
 4165.0 E10a MIW2 USB 13/01/2000 Thu 1915 (GG)
 4165.0 E10a MIW2 USB 14/01/2000 Fri 1715 (GG)
 4165.0 E10a KPA2 USB 14/01/2000 Fri 1715 (GG)
 4165.0 E10a MIW2 USB 23/01/2000 Sun 2315 (GG)
 4173.0 M08 CW 23/01/2000 Sun 0200 (Gw)
 4174.0 V02a weak/QRN AM 10/01/2000 Mon 0300 (JM4)
 4174.0 V02a A 851_3 9____ 1___3 very low audio AM 24/01/2000 Mon
 0300 (JM4)
 4270.0 E10 PCD barely readable USB 01/01/2000 Sat 0000 (GG)
 4270.0 E10 PCD 68 IWPLY USB 01/01/2000 Sat 0030 (GG)
 4270.0 E10 Mossad YL/EE: v.faint USB 03/01/2000 Mon 1900 (LAZ)
 4270.0 E10 PCD USB 13/01/2000 Thu 1730 (GG)
 4270.0 E10 In Progress USB 13/01/2000 Thu 1913 (GG)
 4270.0 E10 In progress USB 13/01/2000 Thu 1940 (GG)
 4270.0 E10 PCD 29 VXLRL? USB 13/01/2000 Thu 2230 (GG)
 4270.0 E10 PCD weak USB 14/01/2000 Fri 1800 (GG)
 4270.0 E10 In progress USB 14/01/2000 Fri 2017 (GG)
 4270.0 E10 ART 22 RACEA USB 14/01/2000 Fri 2030 (GG)
 4270.0 E10 PCD USB 15/01/2000 Sat 0000 (GG)
 4270.0 E10 Mossad YL/EE: in progress @ 2035 USB 22/01/2000 Sat
 2030 (LAZ)
 4270.0 E10 PCD 76 GEVFN USB 23/01/2000 Sun 2300 (GG)
 4270.0 E10 Mossad YL/EE: v.faint USB 27/01/2000 Thu 1900 (LAZ)
 4270.0 E10a PCD2 USB 14/01/2000 Fri 2100 (GG)
 4270.0 E10a PCD2 USB 14/01/2000 Fri 2330 (GG)
 4270.0 E10a PCD2 USB 23/01/2000 Sun 2330 (GG)
 4329.0 V02? In progress. spanish yl. 5 number groups. AM 02/01/2000
 Sun 0010 (MS)
 4329.0 V02a In prog, _____ 84504 16073; nothing audible until :13,
 3 finals AM 05/01/2000 Wed 0400 (GH)
 4329.0 V02a A 00353 59684 05402 AM 19/01/2000 Wed 0400 (JM4)
 4360.0 E10 //5629 VLB2 USB 28/01/2000 Fri 0245 (JM4)
 4360.0 E10a VLB2 USB 13/01/2000 Thu 1745 (GG)
 4360.0 E10a VLB2 USB 13/01/2000 Thu 1945 (GG)

4360.0 E10a VLB2 USB 13/01/2000 Thu 2145 (GG)
 4360.0 E10a VLB2 USB 14/01/2000 Fri 1745 (GG)
 4360.0 E10a VLB2 USB 14/01/2000 Fri 2345 (GG)
 4360.0 E10a VLB2 USB 23/01/2000 Sun 2345 (GG)
 4360.0 E10a VLB2 USB 24/01/2000 Mon 0045 (GG)
 4360.0 E10a VLB2 USB 24/01/2000 Mon 0145 (GG)
 4461.0 E10 FTJ 32 NED0A USB 01/01/2000 Sat 0000 (GG)
 4461.0 E10 FTJ USB 06/01/2000 Thu 0300 (JM4)
 4461.0 E10 FTJ 121 RMBMe USB 08/01/2000 Sat 0330 (GG)
 4461.0 E10 Mossad YL/EE: v.weak USB 11/01/2000 Tue 0300 (LAZ)
 4461.0 E10 In Progress USB 12/01/2000 Wed 0105 (GG)
 4461.0 E10 FTJ USB 13/01/2000 Thu 1700 (GG)
 4461.0 E10 FTJ USB 13/01/2000 Thu 1730 (GG)
 4461.0 E10 In progress USB 13/01/2000 Thu 2106 (GG)
 4461.0 E10 In progress USB 13/01/2000 Thu 2204 (GG)
 4461.0 E10 FTJ 73 CXJLH USB 14/01/2000 Fri 1700 (GG)
 4461.0 E10 FTJ 70 BZQDG USB 14/01/2000 Fri 2100 (GG)
 4461.0 E10 FTJ 39 YMROP USB 14/01/2000 Fri 2330 (GG)
 4461.0 E10 FTJ 95 KQIEZ USB 15/01/2000 Sat 0000 (GG)
 4461.0 E10 FTJ weak USB 19/01/2000 Wed 0300 (JM4)
 4461.0 E10 (FTJ?) in progress USB 19/01/2000 Wed 2345 (JM4)
 4461.0 E10 FTJ weak USB 20/01/2000 Thu 2330 (JM4)
 4461.0 E10 FTJ weak USB 21/01/2000 Fri 0400 (JM4)
 4461.0 E10 ? in progress USB 22/01/2000 Sat 0100 (JM4)
 4461.0 E10 FTJ weak USB 22/01/2000 Sat 0300 (JM4)
 4461.0 E10 (FTJ?) in progress USB 22/01/2000 Sat 0400 (JM4)
 4461.0 E10 (FTJ?) unreadable/QRN USB 23/01/2000 Sun 0300 (JM4)
 4461.0 E10 FTJ 54 XRTBE USB 23/01/2000 Sun 2300 (GG)
 4461.0 E10 FTJ weak USB 23/01/2000 Sun 2300 (JM4)
 4461.0 E10 FTJ weak USB 23/01/2000 Sun 2330 (JM4)
 4461.0 E10 FTJ weak USB 24/01/2000 Mon 0300 (JM4)
 4461.0 E10 (FTJ?) in progress USB 24/01/2000 Mon 2315 (JM4)
 4461.0 E10 FTJ weak USB 24/01/2000 Mon 2330 (JM4)
 4461.0 E10 FTJ weak USB 25/01/2000 Tue 0300 (JM4)
 4461.0 E10 FTJ weak USB 26/01/2000 Wed 0300 (JM4)
 4461.0 E10 FTJ (?) MIHPG weak USB 27/01/2000 Thu 0300 (JM4)
 4461.0 E10 PCD (94) MNHPG USB 28/01/2000 Fri 0300 (JM4)
 4461.0 E10a FTJ2 USB 14/01/2000 Fri 1800 (GG)
 4463.0 E10 In progress USB 13/01/2000 Thu 1940 (GG)
 4463.0 E10 FTJ USB 13/01/2000 Thu 2230 (GG)
 4463.0 E10 FTJ 115 NDUPQ USB 14/01/2000 Fri 2030 (GG)
 4463.0 E10 FTJ 42 VSIPM USB 14/01/2000 Fri 2230 (GG)
 4463.0 E10 Mossad YL/EE: in progress @ 2235 USB 16/01/2000 Sun 2230 (LAZ)
 4463.0 E10 ??? in progress USB 22/01/2000 Sat 0330 (JM4)
 4463.0 E10 FTJ weak USB 22/01/2000 Sat 0330 (GG)
 4463.0 E10 Mossad YL/EE: FTJ USB 22/01/2000 Sat 1930 (LAZ)
 4463.0 E10 Mossad YL/EE: in progress @ 2035 USB 22/01/2000 Sat

2030 (LAZ)

4463.0 E10 Mossad YL/EE: FTJ USB 27/01/2000 Thu 1900 (LAZ)

4463.0 E10 Mossad YL/EE: FTJ USB 27/01/2000 Thu 1930 (LAZ)

4478.5 M08a _____ DUDUN UIUDA; apparent late start, brief tone problems CW 08/01/2000 Sat 0309 (GH)

4478.5 M08a in progress CW 22/01/2000 Sat 0300 (JM4)

4479.0 V02 Spanish Lady YL/SS: in progress @ 0406 AM 07/01/2000 Fri 0400 (LAZ)

4479.0 V02a A 00353 59684 05402 AM 19/01/2000 Wed 0300 (JM4)

4479.0 V02a A 59685 69892 91182 AM 21/01/2000 Fri 0400 (JM4)

4479.0 V02a A 85121 59685 05403 AM 26/01/2000 Wed 0300 (JM4)

4490.0 M01 197-623/31=67507.28030. CW 28/12/1999 Tue 2000 (HFD)

4506.5 M08 Cuban Cut Numbers: in progress @ 0306 CW 16/01/2000 Sun 0300 (LAZ)

4506.5 M08a Weak CW 05/01/2000 Wed 0300 (GH)

4506.5 M08a In callup CW 06/01/2000 Thu 0100 (GH)

4506.5 M08a in progress 2nd header NIRND 3rd TIRAA CW 09/01/2000 Sun 0300 (JM4)

4506.5 M08a _____ NIRND TIRAA CW 09/01/2000 Sun 0308 (GH)

4506.5 M08a in progress CW 20/01/2000 Thu 0100 (JM4)

4506.5 M08a in progress CW 23/01/2000 Sun 0300 (JM4)

4545.0 E05 Set there synthesizer off by 100 khz on one freq. //5407. USB 10/01/2000 Mon 0200 (BR)

4560.0 E10 Mossad YL/EE: in progress @ 1905 USB 03/01/2000 Mon 1900 (LAZ)

4560.0 E10 Mossad YL/EE: YHF 2 USB 06/01/2000 Thu 2130 (LAZ)

4560.0 E10 YHF covered QRM USB 08/01/2000 Sat 0330 (JM4)

4560.0 E10 YHF (?) UESYB USB 08/01/2000 Sat 0400 (JM4)

4560.0 E10 FTJ weak USB 08/01/2000 Sat 0430 (JM4)

4560.0 E10 YHF USB 09/01/2000 Sun 0330 (JM4)

4560.0 E10 YHF USB 13/01/2000 Thu 1700 (GG)

4560.0 E10 YHF USB 13/01/2000 Thu 1730 (GG)

4560.0 E10 In progress USB 13/01/2000 Thu 1940 (GG)

4560.0 E10 In progress USB 13/01/2000 Thu 2106 (GG)

4560.0 E10 YHF USB 13/01/2000 Thu 2230 (GG)

4560.0 E10 YHF 58 XWWRP USB 14/01/2000 Fri 2100 (GG)

4560.0 E10 YHF 60 WOPSW USB 14/01/2000 Fri 2330 (GG)

4560.0 E10 Mossad YL/EE: in progress @ 2108 USB 16/01/2000 Sun 2100 (LAZ)

4560.0 E10 (YHF?) in progress USB 19/01/2000 Wed 0400 (JM4)

4560.0 E10 //5820 YHF (64) WOPSW USB 19/01/2000 Wed 2330 (JM4)

4560.0 E10 showed up i/p - not there at 2300 - YHF? USB 20/01/2000 Thu 2315 (JM4)

4560.0 E10 YHF weak USB 21/01/2000 Fri 0400 (JM4)

4560.0 E10 YHF 58 XWWRP USB 21/01/2000 Fri 2100 (GG)

4560.0 E10 YHF (?) HM_Q_ USB 22/01/2000 Sat 0330 (JM4)

4560.0 E10 YHF USB 22/01/2000 Sat 0330 (GG)

4560.0 E10 YHF2 USB 22/01/2000 Sat 0500 (JM4)

4560.0 E10 Mossad YL/EE: in progress @ 2112 USB 22/01/2000 Sat 2100 (LAZ)
 4560.0 E10 YHF 58 XWWRP USB 23/01/2000 Sun 2300 (GG)
 4560.0 E10 //3840 YHF weak USB 23/01/2000 Sun 2300 (JM4)
 4560.0 E10 //5820 YHF (96) YHZT_ USB 23/01/2000 Sun 2330 (JM4)
 4560.0 E10 YHF 96 YHZTL USB 23/01/2000 Sun 2330 (GG)
 4560.0 E10 (YHF?) in progress - not heard 0400 USB 24/01/2000 Mon 0415 (JM4)
 4560.0 E10 (YHF?) in progress USB 24/01/2000 Mon 2315 (JM4)
 4560.0 E10 YHF barely readable USB 25/01/2000 Tue 1700 (GG)
 4560.0 E10 in progress USB 25/01/2000 Tue 1734 (GG)
 4560.0 E10 Mossad YL/EE: YHF USB 27/01/2000 Thu 1900 (LAZ)
 4560.0 E10 Mossad YL/EE: YHF USB 27/01/2000 Thu 1930 (LAZ)
 4560.0 E10a YHF2 USB 14/01/2000 Fri 2030 (GG)
 4560.0 E10a YHF2 USB 25/01/2000 Tue 1630 (GG)
 4575.0 Two tone beep beep under the tunnel signal. USB 03/01/2000 Mon 2358 (VK)
 4605.0 E10a KPA2 USB 21/01/2000 Fri 2115 (GG)
 4625.0 S28 USB 19/01/2000 Wed 0500 (JM4)
 4625.0 S28 "The Buzzer" no tfc USB 20/01/2000 Thu 0400 (JM4)
 4625.0 S28 "The Buzzer" no traffic USB 21/01/2000 Fri 0500 (JM4)
 4625.0 S28 "The Buzzer" no traffic USB 22/01/2000 Sat 0100 (JM4)
 4625.0 S28 "The Buzzer" no traffic USB 23/01/2000 Sun 0300 (JM4)
 4635.0 E05 TSC/EE. //5238. Random-grp. Count 118 msg for 661. AM 31/12/1999 Fri 0130 (JM4)
 4635.0 E05 //5238 rptg 661 Count 118 AM 07/01/2000 Fri 0200 (JM4)
 4635.0 E05 Rptg 661 count 118 413/07... //5238 AM 07/01/2000 Fri 0200 (GH)
 4635.0 E05 Rptg 327 count 116 //5238 AM 12/01/2000 Wed 0200 (GH)
 4635.0 E05 //5238 rptg 327 Count 116 AM 12/01/2000 Wed 0200 (JM4)
 4635.0 E05 //5238 rptg 327 Count 116 AM 14/01/2000 Fri 0200 (JM4)
 4635.0 E05 //5238 rptg 327 Count 116 AM 19/01/2000 Wed 0200 (JM4)
 4635.0 E05 //5238 rptg 327 Count 116 AM 21/01/2000 Fri 0200 (JM4)
 4640.0 E05 //5407 rptg 630 Count 206 note freq change AM 09/01/2000 Sun 0200 (JM4)
 4640.0 E05 In prog, @:29 rpt count 206 961/40... //5047 AM 09/01/2000 Sun 0220 (GH)
 4645.0 E05 TCS. 4645//5407. YL/EE w/a Merry Christmas message for 911. Count 63 random 3/2FG. AM 25/12/1999 Sat 0200
 4645.0 E05 TCS //5407 w/an EE msg for 946. Count 110 text. AM 31/12/1999 Fri 0200 (JM4)
 4645.0 E05 Rptg 946 count 110 105/65... //5407 much weaker AM 04/01/2000 Tue 0200 (GH)
 4645.0 E05 Rptg 630 count 206 961/40... //5407 AM 05/01/2000 Wed 0200 (GH)
 4645.0 E05 //5407 rptg 630 Count 206 AM 06/01/2000 Thu 0200 (JM4)
 4645.0 E05 In prog; ...229/15... suggests 630 count 206 //5407 AM 06/01/2000 Thu 0216 (GH)

4645.0 E05 Rptg 630 count 206 //5407 AM 07/01/2000 Fri 0200 (GH)
 4645.0 E05 //5407 rptg 630 Count 206 AM 07/01/2000 Fri 0200 (JM4)
 4645.0 E05 Rptg 630 count 206 961/40... //5407 barely audible AM
 08/01/2000 Sat 0200 (GH)
 4645.0 E05 //5407 rptg 630 Count 206 AM 08/01/2000 Sat 0200 (JM4)
 4645.0 E05 //5407 rptg 407 Count 59 back to orig 4645 AM
 10/01/2000 Mon 0200 (JM4)
 4645.0 E05 //5407 rptg 407 Count 59 AM 12/01/2000 Wed 0200 (JM4)
 4645.0 E05 Rptg 407 count 59 //5407 AM 12/01/2000 Wed 0200 (GH)
 4645.0 E05 //5407 rptg 407 Count 59 AM 13/01/2000 Thu 0200 (JM4)
 4645.0 E05 //5407 rptg 407 Count 59 AM 14/01/2000 Fri 0200 (JM4)
 4645.0 E05 //5407 rptg 468 Count 181 AM 15/01/2000 Sat 0200 (JM4)
 4645.0 E05 Counting Station YL/EE: weak under unk. non-American
 accented (unid) 0M/EE readi USB 17/01/2000 Mon 0200
 4645.0 E05 TCS/EE, regular schedule, but no audio. //5407. USB
 18/01/2000 Tue 0200 (JM4)
 4645.0 E05 simulcast 5407 AM 18/01/2000 Tue 0200 (Gw)
 4645.0 E05 //5407 rptg 468 Count 181 AM 18/01/2000 Tue 0200 (JM4)
 4645.0 E05 //5407 rptg 332 Count 166 AM 20/01/2000 Thu 0200 (JM4)
 4645.0 E05 //5407 rptg 332 Count 166 AM 21/01/2000 Fri 0200 (JM4)
 4645.0 E05 simulcast on 5407 AM 21/01/2000 Fri 0200 (Gw)
 4645.0 E05 simulcast 5407 AM 22/01/2000 Sat 0200 (Gw)
 4645.0 E05 //5407 rptg 332 Count 166 AM 22/01/2000 Sat 0200 (JM4)
 4645.0 E05 simulcast 5407 AM 23/01/2000 Sun 0200 (Gw)
 4645.0 E05 simulcast 5407 AM 24/01/2000 Mon 0200 (Gw)
 4645.0 E05 //5407 rptg 332 Count 166 AM 24/01/2000 Mon 0200 (JM4)
 4645.0 E05 simulcast 5407 AM 25/01/2000 Tue 0200 (Gw)
 4645.0 E05 //5407 rptg 430 Count 213 AM 25/01/2000 Tue 0200 (JM4)
 4645.0 E05 //5407 rptg 430 Count 213 AM 26/01/2000 Wed 0200 (JM4)
 4645.0 E05 //5407 rptg 430 Count 213 AM 27/01/2000 Thu 0200 (JM4)
 4645.0 V02 TCS. //5407. Nil on 4635//5338. USB 20/01/2000 Thu
 0200 (BR)
 4665.0 E10 KPA(2?) weak/QRN USB 10/01/2000 Mon 0215 (JM4)
 4665.0 E10 //5230 KPA2 USB 20/01/2000 Thu 0215 (JM4)
 4665.0 E10 KPA2 USB 20/01/2000 Thu 2330 (JM4)
 4665.0 E10 KPA2 USB 21/01/2000 Fri 0215 (JM4)
 4665.0 E10 KPA2 USB 21/01/2000 Fri 0315 (JM4)
 4665.0 E10 //5230 KPA2 USB 22/01/2000 Sat 0115 (JM4)
 4665.0 E10 //5230 KPA2 USB 22/01/2000 Sat 0215 (JM4)
 4665.0 E10 //5230 KPA2 USB 22/01/2000 Sat 0315 (JM4)
 4665.0 E10 //5230//6745 KPA2 (unusual three //) USB 22/01/2000 Sat
 0415 (JM4)
 4665.0 E10 //5230 Mossad YL/EE: KPA2 USB 22/01/2000 Sat 2115 (LAZ)
 4665.0 E10 //5230 KPA2 USB 23/01/2000 Sun 2315 (JM4)
 4665.0 E10 //5230 KPA2 USB 24/01/2000 Mon 0015 (JM4)
 4665.0 E10 //5230 KPA2 USB 24/01/2000 Mon 0115 (JM4)
 4665.0 E10 //5230 KPA2 USB 24/01/2000 Mon 0215 (JM4)
 4665.0 E10 //5230 KPA2 USB 24/01/2000 Mon 0315 (JM4)

4665.0 E10 //5230//6745 KPA2 (note three //) USB 24/01/2000 Mon 0415 (JM4)
 4665.0 E10 //5230 KPA2 USB 25/01/2000 Tue 0015 (JM4)
 4665.0 E10 //5230 KPA2 USB 25/01/2000 Tue 0115 (JM4)
 4665.0 E10 //5230 KPA2 USB 25/01/2000 Tue 0215 (JM4)
 4665.0 E10 //5230 KPA2 USB 26/01/2000 Wed 0115 (JM4)
 4665.0 E10 //5230 KPA2 USB 26/01/2000 Wed 0215 (JM4)
 4665.0 E10 Mossad YL/EE: KPA2 USB 27/01/2000 Thu 0115 (LAZ)
 4665.0 E10 //5230 KPA2 USB 27/01/2000 Thu 0115 (JM4)
 4665.0 E10 //5230 KPA2 USB 27/01/2000 Thu 0215 (JM4)
 4665.0 E10 //5230 KPA2 USB 27/01/2000 Thu 0315 (JM4)
 4665.0 E10 Mossad YL/EE: KPA2 USB 27/01/2000 Thu 1915 (LAZ)
 4665.0 E10 //4665 KPA2 USB 28/01/2000 Fri 0215 (JM4)
 4665.0 E10a KPA2 USB 01/01/2000 Sat 0015 (GG)
 4665.0 E10a KPA2 USB 08/01/2000 Sat 0215 (JM4)
 4665.0 E10a //6658 KPA2 USB 08/01/2000 Sat 0315 (JM4)
 4665.0 E10a //5230 MIW2 USB 08/01/2000 Sat 0415 (JM4)
 4665.0 E10a //5230 KPA2 USB 09/01/2000 Sun 0315 (JM4)
 4665.0 E10a KPA2 USB 13/01/2000 Thu 1915 (GG)
 4665.0 E10a KPA2 USB 23/01/2000 Sun 2315 (GG)
 4770.0 Russian Woodpecker? Filled from 4770 to 4805. Signal weak at s0-+1. USB 19/12/1999 Sun 0814 (KK)
 4780.0 E10 Mossad YL/EE: SYN2 USB 16/01/2000 Sun 2100 (LAZ)
 4780.0 E10 //6370 SYN2 USB 22/01/2000 Sat 0345 (JM4)
 4780.0 E10 //6370 SYN2 USB 22/01/2000 Sat 0445 (JM4)
 4780.0 E10 SYN2 USB 27/01/2000 Thu 0145 (JM4)
 4780.0 E10 //3640 SYN2 USB 28/01/2000 Fri 0245 (JM4)
 4780.0 E10a //6658 CI02 USB 08/01/2000 Sat 0245 (JM4)
 4780.0 E10a SYN2 null msg,still on at 2009 USB 19/01/2000 Wed 2000
 4780.0 E10a SYN2 USB 23/01/2000 Sun 2345 (GG)
 4780.0 E10a SYN2 USB 24/01/2000 Mon 0045 (GG)
 4780.0 E10a SYN2 USB 24/01/2000 Mon 0145 (GG)
 4780.0 E10a SYN2 USB 25/01/2000 Tue 1545 (GG)
 4783.0 E17 rptg 185 then 470 470 239 239 AM 18/01/2000 Tue 0215
 4783.0 E17 Rptg 185 then 470 470 239 239. AM 18/01/2000 Tue 0215 (JM4)
 4783.0 E17 rptg 185 then 470 470 239 239 AM 19/01/2000 Wed 0215
 4880.0 cut numbers then duplex coms then numbers USB 21/01/2000 Fri 0200 (Gw)
 4880.0 E10 ULX 9 GHAMY USB 01/01/2000 Sat 0030 (GG)
 4880.0 E10 ULX 90 DGNXJ USB 01/01/2000 Sat 0200 (GG)
 4880.0 E10 ULX covered QRN USB 08/01/2000 Sat 0330 (JM4)
 4880.0 E10 ULX 91 CTISTN USB 09/01/2000 Sun 0200 (GG)
 4880.0 E10 ULX covered by QRM USB 09/01/2000 Sun 0330 (JM4)
 4880.0 E10 In Progress USB 13/01/2000 Thu 1648 (GG)
 4880.0 E10 ULX USB 13/01/2000 Thu 1700 (GG)
 4880.0 E10 In Progress USB 13/01/2000 Thu 1913 (GG)
 4880.0 E10 In progress USB 13/01/2000 Thu 1940 (GG)

4880.0 E10 In progress USB 13/01/2000 Thu 2106 (GG)
 4880.0 E10 In progress USB 13/01/2000 Thu 2142 (GG)
 4880.0 E10 In progress USB 14/01/2000 Fri 1712 (GG)
 4880.0 E10 In progress USB 14/01/2000 Fri 2017 (GG)
 4880.0 E10 ULX 2 msgs: 26 TUBSP/64 IZOZU USB 14/01/2000 Fri 2030 (GG)
 4880.0 E10 ULX 19 PEYIR USB 14/01/2000 Fri 2100 (GG)
 4880.0 E10 Mossad YL/EE: YLX2 USB 16/01/2000 Sun 2230 (LAZ)
 4880.0 E10 Mossad YL/EE: in progress @ 0212 USB 17/01/2000 Mon 0200 (LAZ)
 4880.0 E10 Mossad YL/EE: ULX USB 17/01/2000 Mon 0330 (LAZ)
 4880.0 E10 ? in progress USB 19/01/2000 Wed 0045 (JM4)
 4880.0 E10 ULX count 25,header:ERVCD USB 19/01/2000 Wed 2000 (BA)
 4880.0 E10 ULX2 USB 20/01/2000 Thu 0300 (JM4)
 4880.0 E10 ULX count 25, header ERVCD USB 20/01/2000 Thu 2000
 4880.0 E10 ULX2 USB 21/01/2000 Fri 0300 (JM4)
 4880.0 E10 ULX (2?) E__CD USB 21/01/2000 Fri 0330 (JM4)
 4880.0 E10 ULX 19 PEYIR USB 21/01/2000 Fri 2100 (GG)
 4880.0 E10 ULX2 USB 22/01/2000 Sat 0300 (JM4)
 4880.0 E10 ULX QRM from SS net USB 22/01/2000 Sat 0330 (JM4)
 4880.0 E10 ULX USB 22/01/2000 Sat 0330 (GG)
 4880.0 E10 //6270 ULX (59) FEPGE USB 22/01/2000 Sat 0430 (JM4)
 4880.0 E10 //6270 ULX (45) D_SSY USB 22/01/2000 Sat 0500 (JM4)
 4880.0 E10 Mossad YL/EE: in progress @ 1934 USB 22/01/2000 Sat 1930 (LAZ)
 4880.0 E10 Mossad YL/EE: in progress @ 2036 USB 22/01/2000 Sat 2030 (LAZ)
 4880.0 E10 //6270 ULX unreadable/QRM USB 22/01/2000 Sat 2300 (JM4)
 4880.0 E10 ULX 106 MVIPO USB 23/01/2000 Sun 2300 (GG)
 4880.0 E10 ULX covered w/QRM SS net USB 23/01/2000 Sun 2300 (JM4)
 4880.0 E10 in progress USB 24/01/2000 Mon 0039 (GG)
 4880.0 E10 ULX covered QRM SS net USB 24/01/2000 Mon 0200 (JM4)
 4880.0 E10 ULX2 USB 24/01/2000 Mon 0300 (JM4)
 4880.0 E10 ULX covered SS net QRM USB 24/01/2000 Mon 0330 (JM4)
 4880.0 E10 ULX2 USB 25/01/2000 Tue 0300 (JM4)
 4880.0 E10 in progress USB 25/01/2000 Tue 1610 (GG)
 4880.0 E10 ULX 69 HAELX USB 25/01/2000 Tue 1630 (GG)
 4880.0 E10 ULX2 USB 26/01/2000 Wed 0300 (JM4)
 4880.0 E10 ULX USB 27/01/2000 Thu 0200 (JM4)
 4880.0 E10 Mossad YL/EE: ULX USB 27/01/2000 Thu 1900 (LAZ)
 4880.0 E10 Mossad YL/EE: ULX USB 27/01/2000 Thu 1930 (LAZ)
 4880.0 E10 ULX QRM from SS net USB 28/01/2000 Fri 0200 (JM4)
 4880.0 E10 ULX2 USB 28/01/2000 Fri 0300 (JM4)
 4880.0 E10a ULX2 USB 06/01/2000 Thu 0300 (JM4)
 4880.0 E10a ULX2 USB 08/01/2000 Sat 0300 (JM4)
 4880.0 E10a ULX2 USB 08/01/2000 Sat 0330 (GG)
 4880.0 E10a //6270 ULX2 USB 08/01/2000 Sat 0400 (JM4)
 4880.0 E10a ULX2 USB 09/01/2000 Sun 0300 (JM4)

4880.0 E10a //6270 ULX2 USB 09/01/2000 Sun 0400 (JM4)
 4880.0 E10a ULX2 USB 13/01/2000 Thu 2230 (GG)
 4880.0 E10a ULX2 USB 15/01/2000 Sat 0400 (JM4)
 4881.0 E10 ULX 91 YTSWF USB 01/01/2000 Sat 0230 (GG)
 4881.0 E10 ULX 91 YTSWF USB 14/01/2000 Fri 1800 (GG)
 4881.0 E10 ULX covered by SS net despite freq change USB
 28/01/2000 Fri 0230 (JM4)
 4881.0 E10a ULX2 USB 01/01/2000 Sat 0300 (GG)
 5000.0 E10 ZWL AM 26/12/1999 Sun 2125 (FDG)
 5019.0 M10E 111 33#57 # # 51#87 19 30726 20. CW 01/12/1999 Sat 1000
 (HFD)
 5047.0 E05 In prog, @:29 rpt count 206 961/40... //4640 AM
 09/01/2000 Sun 0220 (GH)
 5050.0 M03 211 00 CW 18/01/2000 Tue 0815 (LAZ)
 5082.0 G07 742 742 742 000. USB 27/12/1999 Mon 2130 (HFD)
 5082.0 G07 742x3 000 AM 10/01/2000 Mon 2130 (JE)
 5091.0 E10 JSR USB 13/01/2000 Thu 1730 (GG)
 5091.0 E10 In progress USB 13/01/2000 Thu 1940 (GG)
 5091.0 E10 In progress USB 13/01/2000 Thu 2106 (GG)
 5091.0 E10 In progress USB 13/01/2000 Thu 2142 (GG)
 5091.0 E10 In progress USB 13/01/2000 Thu 2204 (GG)
 5091.0 E10 JSR USB 13/01/2000 Thu 2230 (GG)
 5091.0 E10 JSR 96 MVKOK USB 14/01/2000 Fri 1800 (GG)
 5091.0 E10 JSR 55 YINDX USB 14/01/2000 Fri 2100 (GG)
 5091.0 E10 JSR 2 msgs: 56 KIYBS/40 FQUVC USB 14/01/2000 Fri 2130
 (GG)
 5091.0 E10 Mossad YL/EE: JSR USB 16/01/2000 Sun 2100 (LAZ)
 5091.0 E10 Mossad YL/EE: JSR USB 16/01/2000 Sun 2230 (LAZ)
 5091.0 E10 Mossad YL/EE: in progress @ 1941 USB 17/01/2000 Mon
 1930 (LAZ)
 5091.0 E10 too much QRN to copy USB 21/01/2000 Fri 2100 (GG)
 5091.0 E10 Mossad YL/EE: in progress @ 2036 USB 22/01/2000 Sat
 2030 (LAZ)
 5091.0 E10 (JSR?) in progress USB 23/01/2000 Sun 2245 (JM4)
 5091.0 E10 JSR 49 UNKDW USB 25/01/2000 Tue 1630 (GG)
 5091.0 E10 JSR USB 25/01/2000 Tue 1700 (GG)
 5091.0 E10 Mossad YL/EE: JSR USB 27/01/2000 Thu 1900 (LAZ)
 5091.0 E10 Mossad YL/EE: JSR USB 27/01/2000 Thu 1930 (LAZ)
 5091.0 E10 "message message G2866 G2866 ZCXJB ... repeat repeat
 ..." AM 27/01/2000 Thu 2045 (MK)
 5091.0 E10a JSR2 USB 14/01/2000 Fri 2030 (GG)
 5116.0 M08 CW 21/01/2000 Fri 0200 (Gw)
 5116.5 M08a In prog; msg 2 @:14 for GUGNU, new schedule? Weird
 tone problems. CW 07/01/2000 Fri 0206 (GH)
 5116.5 M08a DNMRU DGUGD MNNMN CW 28/01/2000 Fri 0200 (JM4)
 5135.0 V02a New schedule/freq 1st nite. USB 19/01/2000 Wed 0400
 5135.0 V02a in progress on new frequency AM 19/01/2000 Wed 0400
 5168.0 E07 916x3 000 AM 10/01/2000 Mon 2120 (JE)

5168.0 E07 742x3 000 AM 17/01/2000 Mon 2120 (JE)
 5170.0 E10 //6658 CI02 USB 18/01/2000 Tue 0145 (JM4)
 5170.0 E10 //6658 CI02 USB 19/01/2000 Wed 2345 (JM4)
 5170.0 E10 //6658 CI02 USB 20/01/2000 Thu 0145 (JM4)
 5170.0 E10 //6658 CI02 USB 20/01/2000 Thu 0245 (JM4)
 5170.0 E10 //6658 CI02 USB 20/01/2000 Thu 2345 (JM4)
 5170.0 E10 //6658 CI02 USB 21/01/2000 Fri 0045 (JM4)
 5170.0 E10 //6658 CI02 USB 21/01/2000 Fri 0145 (JM4)
 5170.0 E10 //6658 CI02 USB 21/01/2000 Fri 0245 (JM4)
 5170.0 E10 //6658 CI02 USB 21/01/2000 Fri 0345 (JM4)
 5170.0 E10 //6658 CI02 USB 22/01/2000 Sat 0145 (JM4)
 5170.0 E10 //6658 CI02 USB 22/01/2000 Sat 0245 (JM4)
 5170.0 E10 //6658 CI02 USB 22/01/2000 Sat 0345 (JM4)
 5170.0 E10 //6658 CI02 USB 22/01/2000 Sat 0445 (JM4)
 5170.0 E10 //6658 CI02 USB 23/01/2000 Sun 2245 (JM4)
 5170.0 E10 //6658 CI02 USB 23/01/2000 Sun 2345 (JM4)
 5170.0 E10 //6658 CI02 USB 24/01/2000 Mon 0045 (JM4)
 5170.0 E10 //6658 CI02 USB 24/01/2000 Mon 0145 (JM4)
 5170.0 E10 //6658 CI02 USB 24/01/2000 Mon 0245 (JM4)
 5170.0 E10 //6658 CI02 USB 24/01/2000 Mon 2345 (JM4)
 5170.0 E10 //6658 CI02 USB 25/01/2000 Tue 0145 (JM4)
 5170.0 E10 //6658 CI02 USB 26/01/2000 Wed 0145 (JM4)
 5170.0 E10 //6658 CI02 USB 26/01/2000 Wed 0245 (JM4)
 5170.0 E10 //6658 CI02 USB 27/01/2000 Thu 0045 (JM4)
 5170.0 E10 //6658 CI02 USB 27/01/2000 Thu 0145 (JM4)
 5170.0 E10 //6658 CI02 USB 28/01/2000 Fri 0045 (JM4)
 5170.0 E10 //6658 CI02 USB 28/01/2000 Fri 0145 (JM4)
 5170.0 E10 //6658 CI02 USB 28/01/2000 Fri 0245 (JM4)
 5170.0 E10a CI02 USB 13/01/2000 Thu 1745 (GG)
 5170.0 E10a CI02 USB 13/01/2000 Thu 1945 (GG)
 5170.0 E10a CI02 USB 13/01/2000 Thu 2145 (GG)
 5170.0 E10a VLB2 USB 14/01/2000 Fri 1745 (GG)
 5170.0 E10a CI02 USB 14/01/2000 Fri 2345 (GG)
 5170.0 E10a //6658 CI02 USB 15/01/2000 Sat 0245 (JM4)
 5170.0 E10a CI02 USB 23/01/2000 Sun 2345 (GG)
 5170.0 E10a CI02 USB 24/01/2000 Mon 0045 (GG)
 5170.0 E10a CI02 USB 24/01/2000 Mon 0145 (GG)
 5170.0 E10a CI02 USB 25/01/2000 Tue 1545 (GG)
 5230.0 E05 AM 21/01/2000 Fri 0200 (Gw)
 5230.0 E10 Mossad YL/EE: KPA2 USB 17/01/2000 Mon 0215 (LAZ)
 5230.0 E10 KPA2 USB 18/01/2000 Tue 0115 (JM4)
 5230.0 E10 KPA2 USB 18/01/2000 Tue 0215 (JM4)
 5230.0 E10 //4665 KPA2 USB 20/01/2000 Thu 0215 (JM4)
 5230.0 E10 //4665 KPA2 USB 22/01/2000 Sat 0115 (JM4)
 5230.0 E10 //4665 KPA2 USB 22/01/2000 Sat 0215 (JM4)
 5230.0 E10 //4665 KPA2 USB 22/01/2000 Sat 0315 (JM4)
 5230.0 E10 //4665//6745 KPA2 (unusual three //) USB 22/01/2000 Sat
 0415 (JM4)

5230.0 E10 //4665 Mossad YL/EE: KPA2 USB 22/01/2000 Sat 2115 (LAZ)
5230.0 E10 //4665 KPA2 USB 23/01/2000 Sun 2315 (JM4)
5230.0 E10 //4665 KPA2 USB 24/01/2000 Mon 0015 (JM4)
5230.0 E10 //4665 KPA2 USB 24/01/2000 Mon 0115 (JM4)
5230.0 E10 //4665 KPA2 USB 24/01/2000 Mon 0215 (JM4)
5230.0 E10 //4665 KPA2 USB 24/01/2000 Mon 0315 (JM4)
5230.0 E10 //4665//6745 KPA2 (note three //) USB 24/01/2000 Mon
0415 (JM4)
5230.0 E10 VLB2 USB 24/01/2000 Mon 2315 (JM4)
5230.0 E10 //4665 KPA2 USB 25/01/2000 Tue 0015 (JM4)
5230.0 E10 //4665 KPA2 USB 25/01/2000 Tue 0115 (JM4)
5230.0 E10 //4665 KPA2 USB 25/01/2000 Tue 0215 (JM4)
5230.0 E10 //4665 KPA2 USB 26/01/2000 Wed 0115 (JM4)
5230.0 E10 //4665 KPA2 USB 26/01/2000 Wed 0215 (JM4)
5230.0 E10 //4665 KPA2 USB 27/01/2000 Thu 0115 (JM4)
5230.0 E10 //4665 KPA2 USB 27/01/2000 Thu 0215 (JM4)
5230.0 E10 //4665 KPA2 USB 27/01/2000 Thu 0315 (JM4)
5230.0 E10 Mossad YL/EE: KPA2 USB 27/01/2000 Thu 1915 (LAZ)
5230.0 E10 KPA2 USB 28/01/2000 Fri 0015 (JM4)
5230.0 E10 KPA2 USB 28/01/2000 Fri 0115 (JM4)
5230.0 E10 //4665 KPA2 USB 28/01/2000 Fri 0215 (JM4)
5230.0 E10a //4665 MIW2 USB 08/01/2000 Sat 0415 (JM4)
5230.0 E10a //4665 KPA2 USB 09/01/2000 Sun 0315 (JM4)
5230.0 E10a KPA2 USB 12/01/2000 Wed 0115 (JM4)
5230.0 E10a KPA2 USB 13/01/2000 Thu 0115 (JM4)
5230.0 E10a KPA2 USB 13/01/2000 Thu 0215 (JM4)
5230.0 E10a KPA2 USB 13/01/2000 Thu 1915 (GG)
5230.0 E10a KPA2 USB 14/01/2000 Fri 0315 (JM4)
5230.0 E10a KPA2 USB 14/01/2000 Fri 1715 (GG)
5230.0 E10a KPA2 USB 15/01/2000 Sat 0215 (JM4)
5230.0 E10a KPA2 USB 15/01/2000 Sat 0315 (JM4)
5230.0 E10a KPA2 USB 21/01/2000 Fri 2115 (GG)
5230.0 E10a KPA2 USB 23/01/2000 Sun 2315 (GG)
5238.0 E05 //4635 rptg 661 Count 118 AM 07/01/2000 Fri 0200 (JM4)
5238.0 E05 Rptg 661 count 118 413/07... //4635 AM 07/01/2000 Fri
0200 (GH)
5238.0 E05 //4635 rptg 327 Count 116 AM 12/01/2000 Wed 0200 (JM4)
5238.0 E05 Rptg 327 count 116 //4635 AM 12/01/2000 Wed 0200 (GH)
5238.0 E05 //4635 rptg 327 Count 116 AM 14/01/2000 Fri 0200 (JM4)
5238.0 E05 //4635 rptg 327 Count 116 AM 19/01/2000 Wed 0200 (JM4)
5238.0 E05 //4635 rptg 327 Count 116 AM 21/01/2000 Fri 0200 (JM4)
5320.0 M01 197- 623/31=67507.28030. CW 28/12/1999 Tue 1800 (HFD)
5330.0 E10 Mossad YL/EE: MIW2 USB 27/01/2000 Thu 0115 (LAZ)
5340.0 E23 1-0 58587 10808 70685. USB 06/12/1999 Mon 1257 (HFD)
5377.0 G07 742 742 742 000. CW 27/12/1999 Mon 2110 (HFD)
5377.0 G07 742x3 000 AM 10/01/2000 Mon 2110 (JE)
5377.0 G07 742x3 000 AM 17/01/2000 Mon 2110 (JE)
5405.0 E05 Exact same broadcast as on Jan.12 and 10th 407

1234567890 then groups of five n AM 13/01/2000 Thu 0200
5405.0 E05 468 1234567890 Cut 181 Cut 181
124-59-784-69-301-24-916-93-308-63-736-88-652-28- AM
5405.0 E05 exact same message as Jan.14,2000 AM 17/01/2000 Mon
0200 (LI)
5405.0 E05 332x3 1234567890 cut 166
264-19-405-37-160-48-937-02-245-84-463-89-240-52-695-53
5405.0 E05 Exact same transmission as on the 19th AM 20/01/2000
Thu 0200 (LI)
5405.0 E05 Exact same transmission as on the 19th AM 22/01/2000
Sat 0200 (LI)
5407.0 E05 Rptg 946 count 110 105/65... ///4645 much stronger AM
04/01/2000 Tue 0200 (GH)
5407.0 E05 Rptg 630 count 206 961/40... //4645 AM 05/01/2000 Wed
0200 (GH)
5407.0 E05 //4645 rptg 630 Count 206 AM 06/01/2000 Thu 0200 (JM4)
5407.0 E05 In prog; ...229/15... suggests 630 count 206 //4645 AM
06/01/2000 Thu 0216 (GH)
5407.0 E05 //4645 rptg 630 Count 206 AM 07/01/2000 Fri 0200 (JM4)
5407.0 E05 Rptg 630 count 206 //4645 AM 07/01/2000 Fri 0200 (GH)
5407.0 E05 //4645 rptg 630 Count 206 AM 08/01/2000 Sat 0200 (JM4)
5407.0 E05 Rptg 630 count 206 961/40... //4645 much stronger AM
08/01/2000 Sat 0200 (GH)
5407.0 E05 //4640 rptg 630 Count 206 note freq change AM
09/01/2000 Sun 0200 (JM4)
5407.0 E05 //4645 rptg 407 Count 59 back to orig 4645 AM
10/01/2000 Mon 0200 (JM4)
5407.0 E05 //4645 rptg 407 Count 59 AM 12/01/2000 Wed 0200 (JM4)
5407.0 E05 Rptg 407 count 59 //4645 AM 12/01/2000 Wed 0200 (GH)
5407.0 E05 //4645 rptg 407 Count 59 AM 13/01/2000 Thu 0200 (JM4)
5407.0 E05 //4645 rptg 407 Count 59 AM 14/01/2000 Fri 0200 (JM4)
5407.0 E05 //4645 rptg 468 Count 181 AM 15/01/2000 Sat 0200 (JM4)
5407.0 E05 //4645 rptg 468 Count 181 AM 18/01/2000 Tue 0200 (JM4)
5407.0 E05 simulcast on 4645 AM 18/01/2000 Tue 0200 (Gw)
5407.0 E05 //4645 rptg 332 Count 166 AM 20/01/2000 Thu 0200 (JM4)
5407.0 E05 //4645 rptg 332 Count 166 AM 21/01/2000 Fri 0200 (JM4)
5407.0 E05 simulcast on 4645 AM 21/01/2000 Fri 0200 (Gw)
5407.0 E05 simulcast 4645 AM 22/01/2000 Sat 0200 (Gw)
5407.0 E05 //4645 rptg 332 Count 166 AM 22/01/2000 Sat 0200 (JM4)
5407.0 E05 simulcast on 4645 AM 23/01/2000 Sun 0200 (Gw)
5407.0 E05 //4645 rptg 332 Count 166 AM 24/01/2000 Mon 0200 (JM4)
5407.0 E05 simulcast 4645 AM 24/01/2000 Mon 0200 (Gw)
5407.0 E05 //4645 rptg 430 Count 213 AM 25/01/2000 Tue 0200 (JM4)
5407.0 E05 simulcast 4645 AM 25/01/2000 Tue 0200 (Gw)
5407.0 E05 //4645 rptg 430 Count 213 AM 26/01/2000 Wed 0200 (JM4)
5407.0 E05 //4645 rptg 430 Count 213 AM 27/01/2000 Thu 0200 (JM4)
5415.0 V02 //7726 Strong signal AM 02/01/2000 Sun 0500 (PA)
5417.0 V02 AM 28/01/2000 Fri 0200 (Gw)

5417.0 V02a i/p new schedule AM 28/01/2000 Fri 0200 (JM4)
 5419.0 M08 150x5f for 50162, 21961 & 62923, cut nos. MCW
 03/01/2000 Mon 0200 (ANEUR)
 5419.0 M08 Cuban Cut Numbers: CW 17/01/2000 Mon 0200 (LAZ)
 5419.5 M08a In prog; _____ NIRNN WAADD CW 08/01/2000 Sat 0211 (GH)
 5419.5 M08a in progress CW 20/01/2000 Thu 0300 (JM4)
 5419.5 M08a late start :20 i/p CW 24/01/2000 Mon 0200 (JM4)
 5419.5 M08a DGAWU GNNIN IGGMD CW 27/01/2000 Thu 0300 (JM4)
 5422.0 E03 //6484 L-Shire Poacher YL/EE: in progress @ 2228 USB
 16/01/2000 Sun 2200 (LAZ)
 5422.0 E03 L-Shire Poacher YL/EE: in progress @ 0907 USB
 22/01/2000 Sat 1900 (LAZ)
 5425.0 M14 139x3 00000 CW 06/01/2000 Thu 2130 (JE)
 5435.0 E10 ART weak USB 08/01/2000 Sat 0130 (JM4)
 5435.0 E10 ART 9 XUZPA USB 09/01/2000 Sun 0130 (GG)
 5435.0 E10 In Progress USB 13/01/2000 Thu 1648 (GG)
 5435.0 E10 ART 77 YVGJP USB 13/01/2000 Thu 1700 (GG)
 5435.0 E10 In progress USB 13/01/2000 Thu 2106 (GG)
 5435.0 E10 In progress USB 13/01/2000 Thu 2204 (GG)
 5435.0 E10 ART USB 13/01/2000 Thu 2230 (GG)
 5435.0 E10 ART(2?) weak USB 14/01/2000 Fri 0130 (JM4)
 5435.0 E10 In progress USB 14/01/2000 Fri 1712 (GG)
 5435.0 E10 ART 2 msgs: 19 QKVPA/35 JGNLB USB 14/01/2000 Fri 1800
 (GG)
 5435.0 E10 In progress USB 14/01/2000 Fri 2017 (GG)
 5435.0 E10 ART 44 FJONO USB 14/01/2000 Fri 2030 (GG)
 5435.0 E10 ART 57 WFGCM USB 14/01/2000 Fri 2100 (GG)
 5435.0 E10 ART 57 WFGCM USB 14/01/2000 Fri 2100 (GG)
 5435.0 E10 ART weak USB 15/01/2000 Sat 0130 (JM4)
 5435.0 E10 Mossad YL/EE: ART USB 16/01/2000 Sun 2100 (LAZ)
 5435.0 E10 Mossad YL/EE: ART USB 16/01/2000 Sun 2230 (LAZ)
 5435.0 E10 ART2 USB 21/01/2000 Fri 0130 (JM4)
 5435.0 E10 ??? QRM from data station USB 21/01/2000 Fri 0400 (JM4)
 5435.0 E10 ART covered data QRM USB 22/01/2000 Sat 0130 (JM4)
 5435.0 E10 Mossad YL/EE: in progress @ 2036 USB 22/01/2000 Sat
 2030 (LAZ)
 5435.0 E10 ART covered data QRM USB 24/01/2000 Mon 0130 (JM4)
 5435.0 E10 ART2 USB 25/01/2000 Tue 0000 (JM4)
 5435.0 E10 in progress USB 25/01/2000 Tue 1610 (GG)
 5435.0 E10 in progress USB 25/01/2000 Tue 1734 (GG)
 5435.0 E10 ART covered data QRM USB 26/01/2000 Wed 0130 (JM4)
 5435.0 E10 Mossad YL/EE: ART USB 27/01/2000 Thu 0130 (LAZ)
 5435.0 E10 ART (54) __P__ (51) SNKZL USB 27/01/2000 Thu 0130 (JM4)
 5435.0 E10 Mossad YL/EE: ART2 USB 27/01/2000 Thu 1900 (LAZ)
 5435.0 E10 Mossad YL/EE: ART USB 27/01/2000 Thu 1930 (LAZ)
 5435.0 E10a ART2 USB 24/01/2000 Mon 0000 (GG)
 5435.0 E10a ART1 USB 25/01/2000 Tue 1630 (GG)
 5437.0 E10 fast pace version, but very weak USB 20/01/2000 Thu 2000

5440.0 E17 Russian Hermaphrodite w/a 61 grp. AM 14/01/2000 Fri
 0300 (JM4)
 5440.0 E17 rptg 179 then 248 248 61 61 AM 15/01/2000 Sat 0300
 5440.0 E17 English Lady YL/EE: id 179 AM 16/01/2000 Sun 0300 (LAZ)
 5530.0 E10 Mossad YL/EE: MIW2 USB 17/01/2000 Mon 0215 (LAZ)
 5530.0 E10 MIW2 USB 18/01/2000 Tue 0115 (JM4)
 5530.0 E10 MIW2 USB 18/01/2000 Tue 0215 (JM4)
 5530.0 E10 MIW2 USB 18/01/2000 Tue 2315 (JM4)
 5530.0 E10 MIW2 USB 19/01/2000 Wed 0415 (JM4)
 5530.0 E10 //4165 MIW2 USB 20/01/2000 Thu 2315 (JM4)
 5530.0 E10 //4165 MIW2 USB 21/01/2000 Fri 0115 (JM4)
 5530.0 E10 //4165 MIW2 USB 21/01/2000 Fri 0215 (JM4)
 5530.0 E10 //4165 MIW2 USB 21/01/2000 Fri 0315 (JM4)
 5530.0 E10 //4165 MIW2 USB 22/01/2000 Sat 0115 (JM4)
 5530.0 E10 //4165 MIW2 USB 22/01/2000 Sat 0215 (JM4)
 5530.0 E10 //4165 MIW2 USB 22/01/2000 Sat 0315 (JM4)
 5530.0 E10 //4165 MIW2 USB 22/01/2000 Sat 0415 (JM4)
 5530.0 E10 //4165 MIW2 USB 23/01/2000 Sun 2315 (JM4)
 5530.0 E10 //4165 MIW2 USB 24/01/2000 Mon 0015 (JM4)
 5530.0 E10 //4165 MIW2 USB 24/01/2000 Mon 0115 (JM4)
 5530.0 E10 //4165 MIW2 USB 24/01/2000 Mon 0215 (JM4)
 5530.0 E10 //4165 MIW2 USB 24/01/2000 Mon 0315 (JM4)
 5530.0 E10 //4165 MIW2 USB 24/01/2000 Mon 0415 (JM4)
 5530.0 E10 //4165 MIW2 USB 24/01/2000 Mon 2315 (JM4)
 5530.0 E10 //4165 MIW2 USB 25/01/2000 Tue 0015 (JM4)
 5530.0 E10 //4165 MIW2 USB 25/01/2000 Tue 0115 (JM4)
 5530.0 E10 //4165 MIW2 USB 25/01/2000 Tue 0215 (JM4)
 5530.0 E10 //4165 MIW2 USB 26/01/2000 Wed 0115 (JM4)
 5530.0 E10 //4165 MIW2 USB 26/01/2000 Wed 0215 (JM4)
 5530.0 E10 //4165 MIW2 USB 27/01/2000 Thu 0115 (JM4)
 5530.0 E10 //4165 MIW2 USB 27/01/2000 Thu 0215 (JM4)
 5530.0 E10 //4165 MIW2 USB 27/01/2000 Thu 0315 (JM4)
 5530.0 E10 Mossad YL/EE: MIW2 USB 27/01/2000 Thu 1915 (LAZ)
 5530.0 E10 MIW2 USB 28/01/2000 Fri 0115 (JM4)
 5530.0 E10 //4165 MIW2 USB 28/01/2000 Fri 0215 (JM4)
 5530.0 E10a MIW2 USB 07/01/2000 Fri 0215 (JM4)
 5530.0 E10a MIW2 USB 08/01/2000 Sat 0215 (JM4)
 5530.0 E10a MIW2 USB 08/01/2000 Sat 0315 (JM4)
 5530.0 E10a MIW2 USB 08/01/2000 Sat 0415 (JM4)
 5530.0 E10a MIW2 USB 09/01/2000 Sun 0315 (JM4)
 5530.0 E10a MIW2 USB 10/01/2000 Mon 0215 (JM4)
 5530.0 E10a MIW2 USB 13/01/2000 Thu 0115 (JM4)
 5530.0 E10a MIW2 USB 13/01/2000 Thu 0215 (JM4)
 5530.0 E10a MIW2 USB 13/01/2000 Thu 1915 (GG)
 5530.0 E10a MIW2 USB 14/01/2000 Fri 0115 (JM4)
 5530.0 E10a MIW2 USB 14/01/2000 Fri 0215 (JM4)
 5530.0 E10a MIW2 USB 14/01/2000 Fri 0315 (JM4)
 5530.0 E10a MIW2 USB 14/01/2000 Fri 1715 (GG)

5530.0	E10a	MIW2 USB 15/01/2000 Sat 0215 (JM4)
5530.0	E10a	MIW2 USB 15/01/2000 Sat 0315 (JM4)
5530.0	E10a	MIW2 USB 21/01/2000 Fri 2115 (GG)
5530.0	E10a	MIW2 USB 23/01/2000 Sun 2315 (GG)
5629.0	E10	Mossad YL/EE: in progress @ 0245 USB 07/01/2000 Fri 0230 (LAZ)
5629.0	E10	VLB2 USB 18/01/2000 Tue 0145 (JM4)
5629.0	E10	VLB2 USB 18/01/2000 Tue 0245 (JM4)
5629.0	E10	VLB2 USB 19/01/2000 Wed 0045 (JM4)
5629.0	E10	VLB2 USB 19/01/2000 Wed 0145 (JM4)
5629.0	E10	VLB2 USB 20/01/2000 Thu 0145 (JM4)
5629.0	E10	VLB2 USB 20/01/2000 Thu 0245 (JM4)
5629.0	E10	VLB2 USB 20/01/2000 Thu 2345 (JM4)
5629.0	E10	VLB2 USB 21/01/2000 Fri 0145 (JM4)
5629.0	E10	VLB2 USB 21/01/2000 Fri 0245 (JM4)
5629.0	E10	VLB2 USB 21/01/2000 Fri 0345 (JM4)
5629.0	E10	VLB2 USB 22/01/2000 Sat 0145 (JM4)
5629.0	E10	VLB2 USB 22/01/2000 Sat 0245 (JM4)
5629.0	E10	VLB2 USB 22/01/2000 Sat 0345 (JM4)
5629.0	E10	VLB2 USB 22/01/2000 Sat 0445 (JM4)
5629.0	E10	VLB2 USB 23/01/2000 Sun 2245 (JM4)
5629.0	E10	VLB2 USB 23/01/2000 Sun 2345 (JM4)
5629.0	E10	VLB2 USB 24/01/2000 Mon 0045 (JM4)
5629.0	E10	VLB2 USB 24/01/2000 Mon 0145 (JM4)
5629.0	E10	VLB2 USB 24/01/2000 Mon 0245 (JM4)
5629.0	E10	VLB2 USB 24/01/2000 Mon 0345 (JM4)
5629.0	E10	VLB2 USB 24/01/2000 Mon 2345 (JM4)
5629.0	E10	VLB2 USB 25/01/2000 Tue 0145 (JM4)
5629.0	E10	VLB2 USB 25/01/2000 Tue 0245 (JM4)
5629.0	E10	VLB2 USB 26/01/2000 Wed 0145 (JM4)
5629.0	E10	VLB2 USB 26/01/2000 Wed 0245 (JM4)
5629.0	E10	VLB2 USB 27/01/2000 Thu 0045 (JM4)
5629.0	E10	VLB2 USB 27/01/2000 Thu 0145 (JM4)
5629.0	E10	VLB2 USB 28/01/2000 Fri 0045 (JM4)
5629.0	E10	VLB2 USB 28/01/2000 Fri 0145 (JM4)
5629.0	E10	//4360 VLB2 USB 28/01/2000 Fri 0245 (JM4)
5629.0	E10a	VLB2 USB 08/01/2000 Sat 0245 (JM4)
5629.0	E10a	VLB2 USB 08/01/2000 Sat 0345 (JM4)
5629.0	E10a	VLB2 USB 09/01/2000 Sun 0245 (JM4)
5629.0	E10a	VLB2 USB 09/01/2000 Sun 0345 (JM4)
5629.0	E10a	VLB2 USB 10/01/2000 Mon 0345 (JM4)
5629.0	E10a	VLB2 USB 13/01/2000 Thu 0145 (JM4)
5629.0	E10a	VLB2 USB 13/01/2000 Thu 0245 (JM4)
5629.0	E10a	VLB2 USB 13/01/2000 Thu 1745 (GG)
5629.0	E10a	VLB2 USB 13/01/2000 Thu 1945 (GG)
5629.0	E10a	VLB2 USB 13/01/2000 Thu 2145 (GG)
5629.0	E10a	VLB2 USB 14/01/2000 Fri 0145 (JM4)
5629.0	E10a	VLB2 USB 14/01/2000 Fri 1745 (GG)

5629.0 E10a VLB2 USB 14/01/2000 Fri 2345 (GG)
5629.0 E10a VLB2 USB 15/01/2000 Sat 0345 (JM4)
5629.0 E10a VLB144 continuously USB 19/01/2000 Wed 0415 (JM4)
5629.0 E10A W/message string VLB144. AM 19/01/2000 Wed 0415 (JM4)
5629.0 E10a VLB2 USB 23/01/2000 Sun 2345 (GG)
5629.0 E10a VLB2 USB 24/01/2000 Mon 0045 (GG)
5629.0 E10a VLB2 USB 24/01/2000 Mon 0145 (GG)
5629.0 E10a VLB2 USB 25/01/2000 Tue 1545 (GG)
5728.0 E17 Rttg 370 then 684 684 102 102. AM 18/01/2000 Tue 0300
5746.0 E03 //9251//6959 L-Shire Poacher YL/EE: id 92587 USB
02/01/2000 Sun 2100 (LAZ)
5746.0 E03 //9251//6959 L-Shire Poacher YL/EE: in progress @ 2132
USB 06/01/2000 Thu 2100 (LAZ)
5746.0 E03 //6959//9251 L-Shire Poacher YL/EE: id 88349 USB
16/01/2000 Sun 2100 (LAZ)
5746.0 E03 L-Shire Poacher YL/EE: in progress @ 2134 USB
27/01/2000 Thu 2100 (LAZ)
5758.0 M08 Cuban Cut Numbers: in progress @ 0313 CW 07/01/2000 Fri
0300 (LAZ)
5758.5 M08a In callup CW 07/01/2000 Fri 0300 (GH)
5758.5 M08a In prog; weak/noisy CW 09/01/2000 Sun 0216 (GH)
5758.5 M08a RAUTA ITMMD R(W?)IMN; weak, noisy CW 12/01/2000 Wed
0200 (GH)
5758.5 M08a i/p w/audio problems CW 26/01/2000 Wed 0200 (JM4)
5805.0 E06 415 415 now 2026 5 fgs in progress. USB 02/01/2000 Sun
2015 (JJ)
5810.0 M01 197 CW 11/12/1999 Sat 1500 (HFD)
5820.0 E10 In Progress USB 12/01/2000 Wed 0135 (GG)
5820.0 E10 YHF USB 13/01/2000 Thu 1700 (GG)
5820.0 E10 In Progress USB 13/01/2000 Thu 1913 (GG)
5820.0 E10 In progress USB 13/01/2000 Thu 2204 (GG)
5820.0 E10 In progress USB 14/01/2000 Fri 1712 (GG)
5820.0 E10 YHF 2 msgs: 87 ZSBNJ/18 ?PGBS USB 14/01/2000 Fri 1800
(GG)
5820.0 E10 YHF 60 WOPSW USB 14/01/2000 Fri 2330 (GG)
5820.0 E10 //4560 YHF (64) WOPSW USB 19/01/2000 Wed 2330 (JM4)
5820.0 E10 Mossad YL/EE: in progress @ 2007 (on AM) AM 22/01/2000
Sat 2000 (LAZ)
5820.0 E10 YHF 96 YHZTL USB 23/01/2000 Sun 2330 (GG)
5820.0 E10 //4560 YHF (96) YHZT_ USB 23/01/2000 Sun 2330 (JM4)
5820.0 E10 YHF heavily covered by BC USB 25/01/2000 Tue 1700 (GG)
5820.0 E10 Mossad YL/EE: under crosstalk USB 27/01/2000 Thu 1915
(LAZ)
5820.0 E10a YHF2 USB 14/01/2000 Fri 2030 (GG)
5820.0 E10a YHF2 USB 25/01/2000 Tue 1630 (GG)
5868.0 M12 ip very fast 5f short o, ended w/. CW 18/12/1999 Sat
2154 (HFD)
5870.0 M03 in progress @ 0809, over @ 0819 CW 06/01/2000 Thu 0809

(LAZ)

5928.0	E17	rptg 379 then 684 684 102 102 AM 18/01/2000 Tue 0300
6270.0	E10	//7760 ULX USB 03/01/2000 Mon 0100 (JM4)
6270.0	E10	//7760 ULX USB 06/01/2000 Thu 0100 (JM4)
6270.0	E10	//7760 ULX USB 08/01/2000 Sat 0100 (JM4)
6270.0	E10	ULX USB 12/01/2000 Wed 0100 (JM4)
6270.0	E10	In Progress USB 12/01/2000 Wed 0105 (GG)
6270.0	E10	In Progress USB 13/01/2000 Thu 1648 (GG)
6270.0	E10	In progress USB 13/01/2000 Thu 1940 (GG)
6270.0	E10	In progress USB 13/01/2000 Thu 2106 (GG)
6270.0	E10	//7760 ULX (49) NOEOT USB 14/01/2000 Fri 0100 (JM4)
6270.0	E10	ULX 19 PEYIR USB 14/01/2000 Fri 2100 (GG)
6270.0	E10	Mossad YL/EE: in progress @ 1942 USB 17/01/2000 Mon 1930 (LAZ)
6270.0	E10	ULX (11) EYVHB USB 18/01/2000 Tue 2300 (JM4)
6270.0	E10	//7760 ULX (97) ATMVW USB 19/01/2000 Wed 0100 (JM4)
6270.0	E10	ULX weak USB 20/01/2000 Thu 2300 (JM4)
6270.0	E10	ULX //7760 (97) ATMVW USB 21/01/2000 Fri 0100 (JM4)
6270.0	E10	ULX2 USB 21/01/2000 Fri 0400 (JM4)
6270.0	E10	//7760 ULX USB 22/01/2000 Sat 0100 (JM4)
6270.0	E10	//4880 ULX (59) FEPGE USB 22/01/2000 Sat 0430 (JM4)
6270.0	E10	//4880 ULX (45) D_SSY USB 22/01/2000 Sat 0500 (JM4)
6270.0	E10	Mossad YL/EE: in progress @ 1935 USB 22/01/2000 Sat 1930 (LAZ)
6270.0	E10	//4880 ULX unreadable/QRN USB 22/01/2000 Sat 2300 (JM4)
6270.0	E10	Mossad YL/EE: in progress @ 0118 USB 23/01/2000 Sun 0100 (LAZ)
6270.0	E10	//7760 ULX2 USB 25/01/2000 Tue 0100 (JM4)
6270.0	E10	in progress USB 25/01/2000 Tue 1610 (GG)
6270.0	E10	ULX 69 HAELX USB 25/01/2000 Tue 1630 (GG)
6270.0	E10	//6498//7760 ULX2 USB 26/01/2000 Wed 0100 (JM4)
6270.0	E10	//7760 ULX2 USB 27/01/2000 Thu 0100 (JM4)
6270.0	E10	Mossad YL/EE: ULX USB 27/01/2000 Thu 1930 (LAZ)
6270.0	E10	ULX2 USB 28/01/2000 Fri 0100 (JM4)
6270.0	E10	//7760 ULX2 USB 29/01/2000 Sat 0100 (JM4)
6270.0	E10	//7760 ULX2 USB 29/01/2000 Sat 0100 (JM4)
6270.0	E10a	//4880 ULX2 USB 08/01/2000 Sat 0400 (JM4)
6270.0	E10a	//4880 ULX2 USB 09/01/2000 Sun 0400 (JM4)
6270.0	E10a	ULX2 USB 13/01/2000 Thu 2230 (GG)
6330.0	M03	976 CW 17/01/2000 Mon 0900 (LAZ)
6370.0	E10	SYN2 USB 18/01/2000 Tue 0245 (JM4)
6370.0	E10	SYN2 USB 19/01/2000 Wed 0145 (JM4)
6370.0	E10	SYN2 USB 22/01/2000 Sat 0245 (JM4)
6370.0	E10	//4780 SYN2 USB 22/01/2000 Sat 0345 (JM4)
6370.0	E10	//4780 SYN2 USB 22/01/2000 Sat 0445 (JM4)
6370.0	E10a	SYN2 USB 23/01/2000 Sun 2345 (GG)
6370.0	E10a	SYN2 USB 24/01/2000 Mon 0045 (GG)
6370.0	E10a	SYN2 USB 24/01/2000 Mon 0145 (GG)

6379.0 M22 //10356 4XZ marker CW 12/01/2000 Wed 0045 (JM4)
6379.0 M22 //10356 4XZ marker CW 13/01/2000 Thu 0120 (JM4)
6379.0 M22 //10356 4XZ marker CW 14/01/2000 Fri 0120 (JM4)
6379.0 M22 //10356 4XZ marker CW 15/01/2000 Sat 0210 (JM4)
6379.0 M22 //10356 4XZ in tfc CW 18/01/2000 Tue 0000 (JM4)
6379.0 M22 //10356 4XZ marker CW 19/01/2000 Wed 0050 (JM4)
6379.0 M22 //10356 4XZ marker CW 19/01/2000 Wed 2335 (JM4)
6379.0 M22 //10356 4XZ in tfc CW 21/01/2000 Fri 0120 (JM4)
6379.0 M22 //10356 4XZ in tfc CW 22/01/2000 Sat 0120 (JM4)
6379.0 M22 //10356 4XZ in tfc CW 24/01/2000 Mon 0010 (JM4)
6379.0 M22 //10356 4XZ marker CW 25/01/2000 Tue 0120 (JM4)
6379.0 M22 //10356 4XZ marker CW 26/01/2000 Wed 0135 (JM4)
6379.0 M22 //10356 4XZ marker CW 27/01/2000 Thu 0150 (JM4)
6379.0 M22 //10356 4XZ marker CW 28/01/2000 Fri 0150 (JM4)
6484.0 E03 //5422 L-Shire Poacher YL/EE: in progress @ 2228 USB
16/01/2000 Sun 2200 (LAZ)
6498.0 E10 PCD 68 IWPLY USB 01/01/2000 Sat 0030 (GG)
6498.0 E10 PCD USB 10/01/2000 Mon 0030 (JM4)
6498.0 E10 PCD USB 13/01/2000 Thu 1730 (GG)
6498.0 E10 In progress very weak USB 13/01/2000 Thu 2204 (GG)
6498.0 E10 (PCD?) in progress USB 18/01/2000 Tue 2315 (JM4)
6498.0 E10 PCD (5?) ___ZY USB 19/01/2000 Wed 0000 (JM4)
6498.0 E10 PCD (84) GSYKN USB 20/01/2000 Thu 2300 (JM4)
6498.0 E10 PCD2 USB 22/01/2000 Sat 0330 (JM4)
6498.0 E10 PCD unreadable/QRN USB 22/01/2000 Sat 2300 (JM4)
6498.0 E10 PCD 76 GEVFN USB 23/01/2000 Sun 2300 (GG)
6498.0 E10 PCD (76) _EVFN USB 23/01/2000 Sun 2300 (JM4)
6498.0 E10 PCD weak USB 24/01/2000 Mon 2300 (JM4)
6498.0 E10 in progress USB 25/01/2000 Tue 1734 (GG)
6498.0 E10 //6270//7760 ULX2 USB 26/01/2000 Wed 0100 (JM4)
6498.0 E10 PCD2 USB 27/01/2000 Thu 0330 (JM4)
6498.0 E10 PCD (58) YPVZ_ USB 28/01/2000 Fri 0030 (JM4)
6648.0 V08 Sa. Arabic music. AM 08/01/2000 Sat 1900 (JE)
6658.0 E10 //5170 CI02 USB 18/01/2000 Tue 0145 (JM4)
6658.0 E10 CI02 USB 18/01/2000 Tue 0245 (JM4)
6658.0 E10 CI02 USB 18/01/2000 Tue 2245 (JM4)
6658.0 E10 CI02 USB 18/01/2000 Tue 2345 (JM4)
6658.0 E10 CI02 USB 19/01/2000 Wed 0045 (JM4)
6658.0 E10 CI02 USB 19/01/2000 Wed 0145 (JM4)
6658.0 E10 //5170 CI02 USB 19/01/2000 Wed 2345 (JM4)
6658.0 E10 //5170 CI02 USB 20/01/2000 Thu 0145 (JM4)
6658.0 E10 //5170 CI02 USB 20/01/2000 Thu 0245 (JM4)
6658.0 E10 //5170 CI02 USB 20/01/2000 Thu 2345 (JM4)
6658.0 E10 //5170 CI02 USB 21/01/2000 Fri 0045 (JM4)
6658.0 E10 //5170 CI02 USB 21/01/2000 Fri 0145 (JM4)
6658.0 E10 //5170 CI02 USB 21/01/2000 Fri 0245 (JM4)
6658.0 E10 //5170 CI02 USB 21/01/2000 Fri 0345 (JM4)
6658.0 E10 //5170 CI02 USB 22/01/2000 Sat 0145 (JM4)

6658.0 E10 //5170 CI02 USB 22/01/2000 Sat 0245 (JM4)
6658.0 E10 //5170 CI02 USB 22/01/2000 Sat 0345 (JM4)
6658.0 E10 //5170 CI02 USB 22/01/2000 Sat 0445 (JM4)
6658.0 E10 //5170 CI02 USB 23/01/2000 Sun 2245 (JM4)
6658.0 E10 //5170 CI02 USB 23/01/2000 Sun 2345 (JM4)
6658.0 E10 //5170 CI02 USB 24/01/2000 Mon 0045 (JM4)
6658.0 E10 //5170 CI02 USB 24/01/2000 Mon 0145 (JM4)
6658.0 E10 //5170 CI02 USB 24/01/2000 Mon 0245 (JM4)
6658.0 E10 CI02 USB 24/01/2000 Mon 0345 (JM4)
6658.0 E10 //5170 CI02 USB 24/01/2000 Mon 2345 (JM4)
6658.0 E10 //5170 CI02 USB 25/01/2000 Tue 0145 (JM4)
6658.0 E10 CI02 USB 25/01/2000 Tue 0245 (JM4)
6658.0 E10 //5170 CI02 USB 26/01/2000 Wed 0145 (JM4)
6658.0 E10 //5170 CI02 USB 26/01/2000 Wed 0245 (JM4)
6658.0 E10 //5170 CI02 USB 27/01/2000 Thu 0045 (JM4)
6658.0 E10 //5170 CI02 USB 27/01/2000 Thu 0145 (JM4)
6658.0 E10 //5170 CI02 USB 28/01/2000 Fri 0045 (JM4)
6658.0 E10 //5170 CI02 USB 28/01/2000 Fri 0145 (JM4)
6658.0 E10 //5170 CI02 USB 28/01/2000 Fri 0245 (JM4)
6658.0 E10a //4780 CI02 USB 08/01/2000 Sat 0245 (JM4)
6658.0 E10a //4665 KPA2 USB 08/01/2000 Sat 0315 (JM4)
6658.0 E10a CI02 USB 09/01/2000 Sun 0245 (JM4)
6658.0 E10a CI02 USB 09/01/2000 Sun 0345 (JM4)
6658.0 E10a CI02 USB 10/01/2000 Mon 0345 (JM4)
6658.0 E10a CI02 USB 12/01/2000 Wed 0145 (JM4)
6658.0 E10a CI02 USB 13/01/2000 Thu 0145 (JM4)
6658.0 E10a CI02 USB 13/01/2000 Thu 0245 (JM4)
6658.0 E10a CI02 USB 13/01/2000 Thu 1745 (GG)
6658.0 E10a CI02 USB 13/01/2000 Thu 1945 (GG)
6658.0 E10a CI02 USB 13/01/2000 Thu 2145 (GG)
6658.0 E10a CI02 USB 14/01/2000 Fri 0145 (JM4)
6658.0 E10a CI02 USB 14/01/2000 Fri 1745 (GG)
6658.0 E10a CI02 USB 14/01/2000 Fri 2345 (GG)
6658.0 E10a //5170 CI02 USB 15/01/2000 Sat 0245 (JM4)
6658.0 E10a CI02 USB 15/01/2000 Sat 0345 (JM4)
6658.0 E10a CI02 USB 23/01/2000 Sun 2345 (GG)
6658.0 E10a CI02 USB 24/01/2000 Mon 0045 (GG)
6658.0 E10a CI02 USB 24/01/2000 Mon 0145 (GG)
6658.0 E10a CI02 USB 25/01/2000 Tue 1545 (GG)
6705.0 E23 1-0 57587 10808 70685. USB 06/12/1999 MoN 0957 (HFD)
6745.0 E10 KPA2 USB 19/01/2000 Wed 0415 (JM4)
6745.0 E10 //4665//5230 KPA2 (unusual three //) USB 22/01/2000 Sat
0415 (JM4)
6745.0 E10 //4665//5230 KPA2 (note three //) USB 24/01/2000 Mon
0415 (JM4)
6768.0 V02a A 05243 34532 64382 AM 24/01/2000 Mon 0400 (JM4)
6778.0 V02a weak/unreadable AM 18/01/2000 Tue 0100 (JM4)
6786.0 V02 Very strong signal AM 02/01/2000 Sun 0610 (PA)

6786.0 V02a Spanish Lady YL/SS: v.weak AM 09/01/2000 Sun 0600 (LAZ)
 6786.0 V02a Spanish Lady YL/SS: 5146_ 38_51 85991 AM 16/01/2000 Sun 0600 (LAZ)
 6826.0 V02 Spanish Lady YL/SS: v.weak AM 17/01/2000 Mon 0900 (LAZ)
 6840.0 E10 //9130 EZI (50) IGTCO USB 03/01/2000 Mon 0100 (JM4)
 6840.0 E10 Mossad YL/EE: EZI USB 03/01/2000 Mon 1900 (LAZ)
 6840.0 E10 EZI USB 06/01/2000 Thu 0100 (JM4)
 6840.0 E10 //9130 EZI USB 07/01/2000 Fri 0100 (JM4)
 6840.0 E10 //9130 EZI (94) HALQB USB 08/01/2000 Sat 0100 (JM4)
 6840.0 E10 Mossad YL/EE: in progress @ 0106 USB 09/01/2000 Sun 0100 (LAZ)
 6840.0 E10 EZI USB 09/01/2000 Sun 0100 (JM4)
 6840.0 E10 EZI 2 messages QRN/weak USB 12/01/2000 Wed 0100 (JM4)
 6840.0 E10 In Progress USB 12/01/2000 Wed 0105 (GG)
 6840.0 E10 //9130 EZI USB 13/01/2000 Thu 0100 (JM4)
 6840.0 E10 In Progress USB 13/01/2000 Thu 1913 (GG)
 6840.0 E10 In progress USB 13/01/2000 Thu 1940 (GG)
 6840.0 E10 In progress USB 13/01/2000 Thu 2204 (GG)
 6840.0 E10 EZI USB 13/01/2000 Thu 2230 (GG)
 6840.0 E10 EZI weak - 9130 jammed USB 14/01/2000 Fri 0100 (JM4)
 6840.0 E10 EZI 76 XPUUG USB 14/01/2000 Fri 2200 (GG)
 6840.0 E10 //9130 EZI (36) BEOWU USB 15/01/2000 Sat 0100 (JM4)
 6840.0 E10 AM 15/01/2000 Sat 1850 (MK)
 6840.0 E10 Mossad YL/EE: EZI USB 16/01/2000 Sun 2230 (LAZ)
 6840.0 E10 Mossad YL/EE: in progress @ 1943 AM 17/01/2000 Mon 1930 (LAZ)
 6840.0 E10 //9130 EZI USB 18/01/2000 Tue 0100 (JM4)
 6840.0 E10 //9130 EZI (62) MQGDI USB 18/01/2000 Tue 2230 (JM4)
 6840.0 E10 //9130 EZI USB 19/01/2000 Wed 0100 (JM4)
 6840.0 E10 EZI weak USB 20/01/2000 Thu 0100 (JM4)
 6840.0 E10 EZI weak USB 21/01/2000 Fri 0100 (JM4)
 6840.0 E10 //9130 EZI (36) BEOWU USB 22/01/2000 Sat 0100 (JM4)
 6840.0 E10 Mossad YL/EE: EZI USB 22/01/2000 Sat 1930 (LAZ)
 6840.0 E10 //9130 Mossad YL/EE: EZI2 USB 22/01/2000 Sat 2000 (LAZ)
 6840.0 E10 //9130 EZI weak USB 25/01/2000 Tue 0100 (JM4)
 6840.0 E10 EZI USB 27/01/2000 Thu 0100 (JM4)
 6840.0 E10 Mossad YL/EE: EZI USB 27/01/2000 Thu 1900 (LAZ)
 6840.0 E10 Mossad YL/EE: in progress @ 1935 USB 27/01/2000 Thu 1930 (LAZ)
 6840.0 E10 //9130 EZI weak USB 28/01/2000 Fri 0100 (JM4)
 6840.0 E10 //9130 EZI USB 29/01/2000 Sat 0100 (JM4)
 6840.0 E10 //9130 EZI USB 29/01/2000 Sat 0100 (JM4)
 6840.0 E10a EZI2 null msg USB 20/01/2000 Thu 2000 (BA)
 6855.0 V02 Attencion 18334 18382 15313. Number "ocho" had technical problem. AM 03/01/2000 Mon 0003 (MS)
 6855.0 V02a weak/QRN AM 10/01/2000 Mon 0300 (JM4)
 6855.0 V02a A 05243 34532 64382 AM 24/01/2000 Mon 0300 (JM4)
 6855.0 V02a A 33992 03932 18103 AM 26/01/2000 Wed 1600 (JM4)

6896.0 E10 (ULX?) in progress USB 19/01/2000 Wed 0400 (JM4)
6900.0 E03 ID = 71998 USB 15/01/2000 Sat 2000 (MK)
6900.0 E03 //10426 L-Shire Poacher YL/EE: id 71998 USB 22/01/2000 Sat 2000 (LAZ)
6910.0 E06 ip.237 61 00000. USB 03/12/1999 Fri 2110 (HFD)
6937.0 M12 ip very fast 5f short 0 ended w/. CW 08/12/1999 Wed 2105 (HFD)
6959.0 E03 //9251//5746 L-Shire Poacher YL/EE: id 92587 USB 02/01/2000 Sun 2100 (LAZ)
6959.0 E03 //9251//5746 L-Shire Poacher YL/EE: in progress @ 2133 USB 06/01/2000 Thu 2100 (LAZ)
6959.0 E03 EE YL 5fg groups. USB 07/01/2000 Fri (DP)
6959.0 E03 Id 22614 / 08510 ... USB 13/01/2000 Thu 2106 (GG)
6959.0 E03 //9251//5746 L-Shire Poacher YL/EE: id 88349 USB 16/01/2000 Sun 2100 (LAZ)
6959.0 E03 //11545 L-Shire Poacher YL/EE: in progress @ 2107, under bubble jammer USB 17/01/2000 Mon 2000 (LAZ)
6959.0 E03 Linc Poacher. YL/EE. Attended by swish jammer. USB 17/01/2000 Mon 2104 (JD)
6959.0 E03 //9251//11545 rptg 34047 USB 18/01/2000 Tue 2200 (JM4)
6959.0 E03 L-Shire Poacher YL/EE: very faint USB 22/01/2000 Sat 2100 (LAZ)
6959.0 E03 // 9251 L-Shire Poacher: id 12783 USB 27/01/2000 Thu 1900 (LAZ)
6960.0 E03 17431 USB 27/01/2000 Thu 2055 (MK)
6970.0 V06 591/00000. USB 03/12/1999 Fri 2100 (HFD)
6986.0 E10 ??? in progress (44) DTYS USB 08/01/2000 Sat 0400
6986.0 E10 ART (44) DTYS USB 09/01/2000 Sun 0400 (JM4)
6986.0 E10 Mossad YL/EE: ART USB 11/01/2000 Tue 0400 (LAZ)
6986.0 E10 ART (44) DTYS USB 21/01/2000 Fri 0400 (JM4)
6986.0 E10 ULX (44) DTYS USB 22/01/2000 Sat 0400 (JM4)
6986.0 E10 ??? in progress USB 22/01/2000 Sat 0600 (JM4)
6986.0 E10 (ULX?) in progress USB 24/01/2000 Mon 0400 (JM4)
7337.0 E03 //9251 L-Shire Poacher YL/EE: id 66577 USB 03/01/2000 Mon 1900 (LAZ)
7555.0 V02 Spanish Lady YL/SS: faint under garbled music AM 16/01/2000 Sun 0300 (LAZ)
7555.0 V02a Barely readable AM 09/01/2000 Sun 0300 (GH)
7555.0 V02a A 89543 38523 55462 AM 09/01/2000 Sun 0300 (JM4)
7668.0 M16 //10248 8BY w/tfc 912/270/ CW 22/01/2000 Sat 0240 (JM4)
7668.0 M16 //10248 8BY w/tfc CW 24/01/2000 Mon 0150 (JM4)
7668.0 M16 //10248 8BY w/tfc weak CW 26/01/2000 Wed 0150 (JM4)
7668.0 M16 //10248 8BY w/tfc weak CW 27/01/2000 Thu 0255 (JM4)
7668.0 M16 //10248 8BY w/tfc weak CW 28/01/2000 Fri 0255 (JM4)
7726.0 V02 //5415 AM 02/01/2000 Sun 0500 (PA)
7755.0 E03 76522 //10426 8464. USB 28/12/1999 Tue 1500 (HFD)
7760.0 E10 //6270 ULX USB 03/01/2000 Mon 0100 (JM4)
7760.0 E10 //6270 ULX USB 06/01/2000 Thu 0100 (JM4)

7760.0 E10 ULX USB 07/01/2000 Fri 0100 (JM4)
7760.0 E10 //6270 ULX USB 08/01/2000 Sat 0100 (JM4)
7760.0 E10 Weak 5LG in prog USB 08/01/2000 Sat 0107 (GH)
7760.0 E10 ULX USB 09/01/2000 Sun 0100 (JM4)
7760.0 E10 ULX ?? Very weak USB 11/01/2000 Tue 0632 (GH)
7760.0 E10 ULX USB 12/01/2000 Wed 0100 (JM4)
7760.0 E10 In Progress USB 12/01/2000 Wed 0105 (GG)
7760.0 E10 ULX (49) NOEOT USB 13/01/2000 Thu 0100 (JM4)
7760.0 E10 //6270 ULX (49) NOEOT USB 14/01/2000 Fri 0100 (JM4)
7760.0 E10 ULX weak USB 15/01/2000 Sat 0100 (JM4)
7760.0 E10 ULX (?7) ATMVW USB 18/01/2000 Tue 0100 (JM4)
7760.0 E10 //6270 ULX (97) ATMVW USB 19/01/2000 Wed 0100 (JM4)
7760.0 E10 ULX (97) ATMVW USB 20/01/2000 Thu 0100 (JM4)
7760.0 E10 ULX //6270 (97) ATMVW USB 21/01/2000 Fri 0100 (JM4)
7760.0 E10 //6270 ULX USB 22/01/2000 Sat 0100 (JM4)
7760.0 E10 Mossad YL/EE: in progress @ 0121 USB 23/01/2000 Sun 0100 (LAZ)
7760.0 E10 ULX2 USB 24/01/2000 Mon 0100 (JM4)
7760.0 E10 //6270 ULX2 USB 25/01/2000 Tue 0100 (JM4)
7760.0 E10 //6270//6498 ULX2 USB 26/01/2000 Wed 0100 (JM4)
7760.0 E10 //6270 ULX2 USB 27/01/2000 Thu 0100 (JM4)
7760.0 E10 //6270 ULX2 USB 29/01/2000 Sat 0100 (JM4)
7760.0 E10 //6270 ULX2 USB 29/01/2000 Sat 0100 (JM4)
7775.0 E17 In progress down w/684 684 102 102 00000. AM 17/01/2000 Mon 2300 (JM4)
7775.0 E17 i/p down/w 684 684 102 102 00000 AM 17/01/2000 Mon 2300 (JM4)
7775.0 E17 i/p down/w 684 684 102 102 00000 AM 18/01/2000 Tue 0200 (JM4)
7775.0 E17 In progress down w/684 684 102 102 00000. AM 18/01/2000 Tue 0200 (JM4)
7884.0 E06 call=465 USB 07/01/2000 Fri 0300 (GG)
7884.0 E17 Russian Hermaphrodite. AM 06/01/2000 Thu 0300 (JM4)
7884.0 E17 down w/203 203 84 84 00000 AM 06/01/2000 Thu 0300 (JM4)
7884.0 E17 rptg 465 w/repeat of prior nights broadcast AM 07/01/2000 Fri 0300 (JM4)
7884.0 E17 Rptg 465, 203 203 84 84 00000 AM 07/01/2000 Fri 0300
7884.0 E17 English Lady YL/EE: id 465 USB 07/01/2000 Fri 0300
7884.0 E17 5FGx2. AM 17/01/2000 Mon 0300 (GH)
7887.0 V02a in progress AM 09/01/2000 Sun 0200 (JM4)
7887.0 V02a In prog, @:17 msg 2 38523; 3 finals, fast uno AM 09/01/2000 Sun 0216 (GH)
7916.0 5FG down/w period period S CW 18/01/2000 Tue 0022 (JM4)
7918.0 E10 YHF? 2 msgs?? Very weak USB 04/01/2000 Tue 0233 (GH)
7918.0 E10 YHF USB 06/01/2000 Thu 0200 (JM4)
7918.0 E10 YHF USB 06/01/2000 Thu 0230 (JM4)
7918.0 E10 YHF til :19 - down w/o repeat USB 07/01/2000 Fri 0200
7918.0 E10 YHF at least to :18; 5LG by :19? USB 07/01/2000 Fri

7918.0 E10 Mossad YL/EE: in progress @ 0242 USB 07/01/2000 Fri 0230 (LAZ)
7918.0 E10 YHF (45)FXYWD USB 07/01/2000 Fri 0230 (JM4)
7918.0 E10 YHF (71) EDLG_ USB 08/01/2000 Sat 0200 (JM4)
7918.0 E10 //9382 YHF (56) KVOQJ USB 08/01/2000 Sat 0430 (JM4)
7918.0 E10 YHF USB 09/01/2000 Sun 0200 (JM4)
7918.0 E10 YHF USB 10/01/2000 Mon 0200 (JM4)
7918.0 E10 YHF USB 10/01/2000 Mon 0230 (JM4)
7918.0 E10 YHF grp ?? Very weak USB 11/01/2000 Tue 0530 (GH)
7918.0 E10 In Progress USB 12/01/2000 Wed 0135 (GG)
7918.0 E10 YHF USB 12/01/2000 Wed 0200 (JM4)
7918.0 E10 YHF (71) EDLGE USB 13/01/2000 Thu 0200 (JM4)
7918.0 E10 YHF (68) FSTYL USB 13/01/2000 Thu 0230 (JM4)
7918.0 E10 YHF (71) EDLGE USB 14/01/2000 Fri 0200 (JM4)
7918.0 E10 YHF (68) FSTYL USB 14/01/2000 Fri 0230 (JM4)
7918.0 E10 YHF 2 msgs: 87 ZSBNJ/18 ?PGBS USB 14/01/2000 Fri 1800 (GG)
7918.0 E10 YHF (71) EDLGE USB 15/01/2000 Sat 0200 (JM4)
7918.0 E10 YHF in progress USB 15/01/2000 Sat 0230 (JM4)
7918.0 E10 Mossad YL/EE: in progress @ 0211 USB 17/01/2000 Mon 0200 (LAZ)
7918.0 E10 YHF (87) YXXXV (29) EFOYN USB 18/01/2000 Tue 0130 (JM4)
7918.0 E10 YHF (71) EDLGE USB 18/01/2000 Tue 0200 (JM4)
7918.0 E10 YHF (68) FSTYL USB 18/01/2000 Tue 0230 (JM4)
7918.0 E10 YHF (87) YXXXV (29) EFOYN USB 19/01/2000 Wed 0130 (JM4)
7918.0 E10 YHF (71) EDLGE USB 19/01/2000 Wed 0200 (JM4)
7918.0 E10 Regular YHF. At 0215 a mixing error had intial YHF msg + C102 + MIW2 all trnsm at same time. AM 19/01/2000 Wed 0200 (JM4)
7918.0 E10 YHF i/p w/mix error CI02 and MIW2 USB 19/01/2000 Wed 0215 (JM4)
7918.0 E10 YHF (68) FSTYL USB 19/01/2000 Wed 0230 (JM4)
7918.0 E10 YHF (87) YXXXV (29) EFOYN USB 20/01/2000 Thu 0130 (JM4)
7918.0 E10 YHF (68) FSTYL USB 20/01/2000 Thu 0230 (JM4)
7918.0 E10 YHF (87) YXXXV (29) EFOYN USB 21/01/2000 Fri 0130 (JM4)
7918.0 E10 YHF (71) EDLGE USB 21/01/2000 Fri 0200 (JM4)
7918.0 E10 YHF (68) FSTYL USB 21/01/2000 Fri 0230 (JM4)
7918.0 E10 YHF (87) YXXXV (29) EFOYN USB 22/01/2000 Sat 0130 (JM4)
7918.0 E10 YHF (71) EDLGE USB 22/01/2000 Sat 0200 (JM4)
7918.0 E10 YHF (68) FSTYL USB 22/01/2000 Sat 0230 (JM4)
7918.0 E10 YHF USB 24/01/2000 Mon 0130 (JM4)
7918.0 E10 YHF (71) EDLGE USB 24/01/2000 Mon 0200 (JM4)
7918.0 E10 YHF (68) FSTYL USB 24/01/2000 Mon 0230 (JM4)
7918.0 E10 YHF (87) YXXXV (29) EFOYN USB 25/01/2000 Tue 0130 (JM4)
7918.0 E10 YHF (71) EDLGE USB 25/01/2000 Tue 0200 (JM4)
7918.0 E10 USB 25/01/2000 Tue 0200 (Gw)
7918.0 E10 YHF (68) FSTYL USB 25/01/2000 Tue 0230 (JM4)
7918.0 E10 in progress USB 25/01/2000 Tue 1610 (GG)

7918.0 E10 //9382 YHF (87) YXXXV (29) EFOYN USB 26/01/2000 Wed
0130 (JM4)
7918.0 E10 YHF (71) FSTYL USB 26/01/2000 Wed 0200 (JM4)
7918.0 E10 YHF (68) FSTYL USB 26/01/2000 Wed 0230 (JM4)
7918.0 E10 Mossad YL/EE: YHF USB 27/01/2000 Thu 0130 (LAZ)
7918.0 E10 //9382 YHF USB 27/01/2000 Thu 0130 (JM4)
7918.0 E10 Mossad YL/EE: E10 USB 27/01/2000 Thu 0200 (LAZ)
7918.0 E10 YHF (71) EDLGE E10 27/01/2000 Thu 0200 (JM4)
7918.0 E10 //9382 YHF (87) YXXXV (29) EFOYN USB 28/01/2000 Fri
0130 (JM4)
7918.0 E10 YHF (71) EDLGE USB 28/01/2000 Fri 0200 (JM4)
7918.0 E10 (68) FSTYL USB 28/01/2000 Fri 0230 (JM4)
8033.0 E11 183/00. AM 28/12/1999 Tue 1300 (HFD)
8097.0 V02a In prog, msg 2 @:16 for 42511 AM 06/01/2000 Thu 1003
8098.5 M08a In prog; ----- DA(G?)RD CW 03/01/2000 Mon 0805
(GH)
8098.5 M08a ----- GARWN DMUND; a bit later than 10446.5 CW
12/01/2000 Wed 0800 (GH)
8125.0 E05 in progress (Count 207 040/55 ...) USB 21/01/2000 Fri
2117 (GG)
8127.0 E10 Mossad YL/EE: in progress @ 1936 USB 22/01/2000 Sat
1930 (LAZ)
8136.0 M08 CW 02/01/2000 Sun 0010 (MS)
8136.0 M08 Cuban Cut Numbers: v.faint CW 11/01/2000 Tue 0800 (LAZ)
8187.5 M08a ----- AUNUD DRUAA; a bit behind 11431.5 CW 11/01/2000
Tue 0507 (GH)
8188.0 E23 1-0 57587 10808 70685. USB 06/12/1999 Mon 1157 (HFD)
8190.0 S17C 11028. AM 11/12/1999 Sat 1250 (HFD)
8190.0 S17C 78031. AM 18/12/1999 Sat 1250 (HFD)
8190.0 S17C 99031. AM 19/12/1999 Sun 1250 (HFD)
8190.0 S17C 99043. AM 24/12/1999 Fri 1250 (HFD)
8190.0 S17C 88043. AM 28/12/1999 Tue 1250 (HFD)
8190.0 S17C 94030. AM 29/12/1999 Wed 1250 (HFD)
8300.0 V13 YL/CC w/flute interval AM 17/01/2000 Mon 1600 (JM4)
8300.0 V13 YL/CC w/flute interval AM 18/01/2000 Tue 1500 (JM4)
8300.0 V13 YL/CC w/flute interval AM 19/01/2000 Wed 1500 (JM4)
8300.0 V13 YL/CC w/flute interval AM 21/01/2000 Fri 1430 (JM4)
8307.0 M23 in progress @ 0817 CW 06/01/2000 Thu 0800 (LAZ)
8307.0 M23 579 CW 11/01/2000 Tue 0800 (LAZ)
8437.0 M22 //10046 4XZ marker CW 12/01/2000 Wed 0045 (JM4)
8437.0 M22 //10046 4XZ marker CW 13/01/2000 Thu 0120 (JM4)
8437.0 M22 //10046 4XZ marker CW 14/01/2000 Fri 0120 (JM4)
8437.0 M22 //10046 4XZ marker CW 15/01/2000 Sat 0210 (JM4)
8437.0 M22 //10046 4XZ in tfc CW 18/01/2000 Tue 0000 (JM4)
8437.0 M22 //10046 4XZ marker CW 19/01/2000 Wed 0050 (JM4)
8437.0 M22 //10046 4XZ in tfc CW 19/01/2000 Wed 2335 (JM4)
8437.0 M22 //10046 4XZ in tfc CW 21/01/2000 Fri 0120 (JM4)
8437.0 M22 //10046 4XZ in tfc CW 22/01/2000 Sat 0120 (JM4)

8437.0 M22 //10046 4XZ marker CW 24/01/2000 Mon 0010 (JM4)
8437.0 M22 4XZ marker CW 25/01/2000 Tue 0120 (JM4)
8437.0 M22 //10046 4XZ marker CW 26/01/2000 Wed 0135 (JM4)
8437.0 M22 //10046 4XZ marker CW 27/01/2000 Thu 0150 (JM4)
8437.0 M22 //10046 4XZ marker CW 28/01/2000 Fri 0150 (JM4)
8464.0 E03 76522 //10426 7755. USB 28/12/1999 Tue 1500 (HFD)
8464.0 E03 //12603//14487 rptg 92587 USB 13/01/2000 Thu 1600 (JM4)
8464.0 E03 //10426 in progress USB 18/01/2000 Tue 1500 (JM4)
8532.0 V02 A 238/04 and 04/60 AM 06/01/2000 Thu 0200 (JM4)
8532.0 V02 A 238/04 and 04/51 AM 13/01/2000 Thu 0200 (JM4)
8532.0 V02 A 268/04 and 04/51 late start AM 20/01/2000 Thu 0200
8532.0 V02 A 238/04 and 04/51 AM 27/01/2000 Thu 0200 (JM4)
8636.0 V02 A 959/01 and 01/39 AM 09/01/2000 Sun 0400 (JM4)
8975.0 V02 Atencion [3|6]91/01 01/51 w/rpt, 2 finals AM 12/01/2000
Wed 0800 (GH)
8993.0 V02 Weak, distorted. Overlappping USAF GHFS on 8992 freq.
USB 10/01/2000 Mon 0404 (KK)
9024.0 V02 Atencion 616/06 06/50 80857..., rpt @:22, 2 finals,
overmod; nb late start AM 05/01/2000 Wed 0218 (GH)
9024.0 V02 A 616/06 and 06/50 AM 12/01/2000 Wed 0200 (JM4)
9024.0 V02 In prog; @:07 rpt Atencion 616/06 06/50 80857..., 2
finals AM 12/01/2000 Wed 0204 (GH)
9024.0 V02 Spanish Lady YL/SS: barely audible AM 18/01/2000 Tue
0800 (LAZ)
9024.0 V02 A 616/06 and 06/50 AM 19/01/2000 Wed 0200 (JM4)
9024.0 V02 A 616/06 and 06/46 AM 26/01/2000 Wed 0200 (JM4)
9063.0 V02 Spanish Lady YL/SS: V.faint AM 27/01/2000 Thu 0200
9063.0 V02a A 46013 64651 38593 AM 06/01/2000 Thu 0200 (JM4)
9063.0 V02a In prog, very weak AM 06/01/2000 Thu 0216 (GH)
9063.0 V02a A 24952 64652 15531 AM 13/01/2000 Thu 0200 (JM4)
9063.0 V02a A 95281 64653 15532 w/audio problems AM 20/01/2000 Thu
0200 (JM4)
9063.0 V02a A 95283 48851 15533 AM 27/01/2000 Thu 0200 (JM4)
9115.0 V02 In prog; @:10 rpt Atencion 441/03 584/04 03/51 63781...
04/??; 2 finals AM 03/01/2000 Mon 0805 (GH)
9115.0 V02 Atencion 663/02 584/03 02/66 36812... 03/56 98230...;
two finals w/rpt, overmod AM 11/01/2000 Tue 0600 (GH)
9115.0 V02 Spanish Lady YL/EE: v.faint AM 11/01/2000 Tue 0600
9130.0 E10 Mossad YL/EE: in progress @ 2105 USB 02/01/2000 Sun
2100 (LAZ)
9130.0 E10 //6840 EZI (50) IGTC0 USB 03/01/2000 Mon 0100 (JM4)
9130.0 E10 EZI group ?? USB 03/01/2000 Mon 2200 (GH)
9130.0 E10 //6840 EZI USB 07/01/2000 Fri 0100 (JM4)
9130.0 E10 YHF group 94 HALQB; rpt @:15 USB 08/01/2000 Sat 0100
(GH)
9130.0 E10 //6840 EZI (94) HALQB USB 08/01/2000 Sat 0100 (JM4)
9130.0 E10 EZI grp 76 E_VUG (?) USB 09/01/2000 Sun 2200 (GH)
9130.0 E10 EZI 2 messages QRN/weak USB 12/01/2000 Wed 0100 (JM4)

9130.0 E10 In Progress USB 12/01/2000 Wed 0105 (GG)
 9130.0 E10 //6840 EZI USB 13/01/2000 Thu 0100 (JM4)
 9130.0 E10 EZI USB 13/01/2000 Thu 1700 (GG)
 9130.0 E10 EZI USB 13/01/2000 Thu 1730 (GG)
 9130.0 E10 In Progress USB 13/01/2000 Thu 1913 (GG)
 9130.0 E10 In progress USB 13/01/2000 Thu 2204 (GG)
 9130.0 E10 EZI weak USB 13/01/2000 Thu 2230 (GG)
 9130.0 E10 In progress USB 14/01/2000 Fri 1712 (GG)
 9130.0 E10 EZI 36 YAFJC weak, lost signal at 2035 USB 14/01/2000
 Fri 2030 (GG)
 9130.0 E10 //6840 EZI (36) BEOWU USB 15/01/2000 Sat 0100 (JM4)
 9130.0 E10 EZI (18) _AH_E USB 17/01/2000 Mon 2030 (JM4)
 9130.0 E10 EZI (14) U__IP USB 17/01/2000 Mon 2100 (JM4)
 9130.0 E10 EZI (19) UJXS_ USB 17/01/2000 Mon 2130 (JM4)
 9130.0 E10 EZI (106) PCHM_ USB 17/01/2000 Mon 2200 (JM4)
 9130.0 E10 EZI? in progress USB 17/01/2000 Mon 2230 (JM4)
 9130.0 E10 //6840 EZI USB 18/01/2000 Tue 0100 (JM4)
 9130.0 E10 EZI (18) __KUA USB 18/01/2000 Tue 2200 (JM4)
 9130.0 E10 //6840 EZI (62) MQGDI USB 18/01/2000 Tue 2230 (JM4)
 9130.0 E10 //6840 EZI USB 19/01/2000 Wed 0100 (JM4)
 9130.0 E10 EZI 22 YSRAY USB 21/01/2000 Fri 2100 (GG)
 9130.0 E10 //6840 EZI (36) BEOWU USB 22/01/2000 Sat 0100 (JM4)
 9130.0 E10 //6840 Mossad YL/EE: EZI2 USB 22/01/2000 Sat 2000 (LAZ)
 9130.0 E10 EZI (43) A_PST USB 23/01/2000 Sun 2230 (JM4)
 9130.0 E10 EZI (36) BEOWU USB 24/01/2000 Mon 0100 (JM4)
 9130.0 E10 //6840 EZI weak USB 25/01/2000 Tue 0100 (JM4)
 9130.0 E10 2 msgs: 87 NZVJT 20 HQZG? USB 25/01/2000 Tue 1700 (GG)
 9130.0 E10 EZI 46 MDFXN USB 25/01/2000 Tue 1730 (GG)
 9130.0 E10 Mossad YL/EE: EZI USB 27/01/2000 Thu 1930 (LAZ)
 9130.0 E10 //6840 EZI weak USB 28/01/2000 Fri 0100 (JM4)
 9130.0 E10 //6840 EZI USB 29/01/2000 Sat 0100 (JM4)
 9130.0 E10 //6840 EZI USB 29/01/2000 Sat 0100 (JM4)
 9147.0 V02 attention 147 63 AM 02/01/2000 Sun 0010 (MS)
 9153.5 M08a _____ AUNUD DRUAA; late start, msg 1 in prog; slightly
 leads 4027.5 CW 11/01/2000 Tue 0605 (GH)
 9238.0 M08 Cuban Cut Numbers: v.weak CW 17/01/2000 Mon 0900 (LAZ)
 9238.0 M08a In prog CW 01/01/2000 Sat 0705 (GH)
 9238.5 M08a In prog; _____ RUAAN T(W|R)TAN CW 03/01/2000 Mon 0908
 (GH)
 9238.5 M08a _____ GARRA (?) DMUNN; late start, msg 1 in prog CW
 11/01/2000 Tue 0706 (GH)
 9238.5 M08a WTWDN MRADN NMTTN CW 12/01/2000 Wed 0900 (GH)
 9251.0 E03 //6959//5746 L-Shire Poacher YL/EE: id 92587 USB
 02/01/2000 Sun 2100 (LAZ)
 9251.0 E03 //7337 L-Shire Poacher YL/EE: id 66577 USB 03/01/2000
 Mon 1900 (LAZ)
 9251.0 E03 //5746//6959 L-Shire Poacher YL/EE: in progress @ 2132
 USB 06/01/2000 Thu 2100 (LAZ)

9251.0 E03 Id 22614 / 08510 ... USB 13/01/2000 Thu 2106 (GG)
 9251.0 E03 //6959//5746 L-Shire Poacher YL/EE: id 88349 USB
 16/01/2000 Sun 2100 (LAZ)
 9251.0 E03 //6959//11545 rptg 34047 USB 18/01/2000 Tue 2200 (JM4)
 9251.0 E03 weak USB 25/01/2000 Tue 1800 (JM4)
 9251.0 E03 // 6959 L-Shire Poacher: id 12783 USB 27/01/2000 Thu
 1900 (LAZ)
 9323.0 M08 In progress, cut numbers. CW 02/01/2000 Sun 0009 (MS)
 9323.0 V02a unreadable due to low audio AM 27/01/2000 Thu 0400
 9330.0 M08 Cuban Cut Numbers: in progress @ 0507 CW 15/01/2000 Sat
 0500 (LAZ)
 9330.5 M08a AR AR AR SK SK SK CW 01/01/2000 Sat 0536 (GH)
 9330.5 M08a In prog CW 03/01/2000 Mon 0406 (GH)
 9330.5 M08a TAITN DRTMA WGTMN CW 08/01/2000 Sat 0500 (GH)
 9330.5 M08a TMTNA DRTMD MIUTA CW 10/01/2000 Mon 0400 (GH)
 9330.5 M08a in progress CW 22/01/2000 Sat 0500 (JM4)
 9330.5 M08a NITWD WMTIN AIGTA CW 24/01/2000 Mon 0400 (JM4)
 9331.0 V02a Atencion 69043 76641 22233 AM 03/01/2000 Mon 0600 (GH)
 9331.0 V02a Late start, msgs for 60931 @:08 and 77102 @:22 (also
 sez "35002" here; msg 3 @:3 AM 05/01/2000 Wed 0507 (GH)
 9382.0 E10 YHF 17 ZKVZA USB 07/01/2000 Fri 0430 (GG)
 9382.0 E10 YHF heavily covered by noise USB 08/01/2000 Sat 0430
 9382.0 E10 //7918 YHF (56) KVOQJ USB 08/01/2000 Sat 0430 (JM4)
 9382.0 E10 //7918 YHF (87) YXXXV (29) EFOYN USB 26/01/2000 Wed
 0130 (JM4)
 9382.0 E10 //7918 YHF USB 27/01/2000 Thu 0130 (JM4)
 9382.0 E10 //7918 YHF (87) YXXXV (29) EFOYN USN 28/01/2000 Fri
 0130 (JM4)
 9460.0 V02a ?? Possibly there; worse than 7555 AM 09/01/2000 Sun
 0300 (GH)
 9865.0 SS YL 5F grps. USB 08/01/2000 Sat 2345 (GVS)
 10046.0 M22 //8437 4XZ marker CW 12/01/2000 Wed 0045 (JM4)
 10046.0 M22 //8437 4XZ marker CW 13/01/2000 Thu 0120 (JM4)
 10046.0 M22 //8437 4XZ marker CW 14/01/2000 Fri 0120 (JM4)
 10046.0 M22 //8437 4XZ marker CW 15/01/2000 Sat 0210 (JM4)
 10046.0 M22 //8437 4XZ in tfc CW 18/01/2000 Tue 0000 (JM4)
 10046.0 M22 //8437 4XZ marker CW 19/01/2000 Wed 0050 (JM4)
 10046.0 M22 //8437 4XZ in tfc CW 19/01/2000 Wed 2335 (JM4)
 10046.0 M22 //8437 4XZ in tfc CW 21/01/2000 Fri 0120 (JM4)
 10046.0 M22 //8437 4XZ in tfc CW 22/01/2000 Sat 0120 (JM4)
 10046.0 M22 //8437 4XZ marker CW 24/01/2000 Mon 0010 (JM4)
 10046.0 M22 //8437 4XZ marker CW 26/01/2000 Wed 0135 (JM4)
 10046.0 M22 //8437 4XZ marker CW 27/01/2000 Thu 0150 (JM4)
 10046.0 M22 //8437 4XZ marker CW 28/01/2000 Fri 0150 (JM4)
 10065.0 V05 //11491 rptg 646 Grupo 207 AM 27/01/2000 Thu 0300 (JM4)
 10125.0 M42 6 tones sounded. Fapsi AM 03/10/2000 Mon 1648 (EM)
 10125.5 M08 Cuban Cut Numbers: CW 08/01/2000 Sat 0400 (LAZ)
 10125.5 M08a in progress - new schedule CW 08/01/2000 Sat 0400 (JM4)

10125.5 M08a TAITN DRTMA WGTMN CW 08/01/2000 Sat 0400 (GH)
10125.5 M08a NITWA AMRDD WGITN CW 22/01/2000 Sat 0400 (JM4)
10126.0 V02a in progress AM 06/01/2000 Thu 0100 (JM4)
10126.0 V02a A 24952 64652 15531 AM 13/01/2000 Thu 0100 (JM4)
10126.0 V02a A 95281 64653 15532 AM 20/01/2000 Thu 0100 (JM4)
10126.0 V02a A 95283 48851 15533 AM 27/01/2000 Thu 0100 (JM4)
10235.0 M08 Cuban Cut Numbers: v.weak CW 11/01/2000 Tue 0400 (LAZ)
10248.0 M16 //14931 8BY w/traffic CW 12/01/2000 Wed 0140 (JM4)
10248.0 M16 8BY w/traffic CW 13/01/2000 Thu 0140 (JM4)
10248.0 M16 8BY w/tfc weak CW 15/01/2000 Sat 0250 (JM4)
10248.0 M16 8BY w/tfc 912/780/289/473 CW 19/01/2000 Wed 0150 (JM4)
10248.0 M16 8BY w/tfc 473/043 CW 20/01/2000 Thu 0140 (JM4)
10248.0 M16 8BY w/tfc 780/694 CW 21/01/2000 Fri 0240 (JM4)
10248.0 M16 8BY w/tfc weak CW 22/01/2000 Sat 0140 (JM4)
10248.0 M16 //7668 8BY w/tfc 912/270/ CW 22/01/2000 Sat 0240 (JM4)
10248.0 M16 //7668 8BY w/tfc CW 24/01/2000 Mon 0150 (JM4)
10248.0 M16 //7668 8BY w/tfc weak CW 26/01/2000 Wed 0150 (JM4)
10248.0 M16 //7668 8BY w/tfc weak CW 27/01/2000 Thu 0255 (JM4)
10248.0 M16 //7668 8BY w/tfc weak CW 28/01/2000 Fri 0255 (JM4)
10270.0 V02a weak/unreadable AM 15/01/2000 Sat 0100 (JM4)
10356.0 M22 //6379 4XZ marker CW 12/01/2000 Wed 0045 (JM4)
10356.0 M22 //6379 4XZ marker CW 13/01/2000 Thu 0120 (JM4)
10356.0 M22 //6379 4XZ marker CW 14/01/2000 Fri 0120 (JM4)
10356.0 M22 //6379 4XZ marker CW 15/01/2000 Sat 0210 (JM4)
10356.0 M22 //6379 4XZ in tfc CW 18/01/2000 Tue 0000 (JM4)
10356.0 M22 //6379 4XZ marker CW 19/01/2000 Wed 0050 (JM4)
10356.0 M22 //6379 4XZ marker CW 19/01/2000 Wed 2335 (JM4)
10356.0 M22 //6379 4XZ in tfc CW 21/01/2000 Fri 0120 (JM4)
10356.0 M22 //6379 4XZ in tfc CW 22/01/2000 Sat 0120 (JM4)
10356.0 M22 //6379 4XZ in tfc CW 24/01/2000 Mon 0010 (JM4)
10356.0 M22 //6379 4XZ marker CW 25/01/2000 Tue 0120 (JM4)
10356.0 M22 //6379 4XZ marker CW 26/01/2000 Wed 0135 (JM4)
10356.0 M22 //6379 4XZ marker CW 27/01/2000 Thu 0150 (JM4)
10356.0 M22 //6379 4XZ marker CW 28/01/2000 Fri 0150 (JM4)
10396.0 E05 //15732 The Counting Station YL/EE: id 802 count 215
USB 09/01/2000 Sun 1200 (LAZ)
10423.0 E05 158 call, count 101,header: 118-36.572-56... USB
14/01/2000 Fri 1600 (BA)
10426.0 E03 76522 //8464 7755. USB 28/12/1999 Tue 1500 (HFD)
10426.0 E03 //8464 in progress USB 18/01/2000 Tue 1500 (JM4)
10426.0 E03 //6900 L-Shire Poacher YL/EE: id 71998 USB 22/01/2000
Sat 2000 (LAZ)
10446.0 V02a In prog; msg @:22 for 76641 suggests late start (cf UT
0600/9331) AM 03/01/2000 Mon 0511 (GH)
10446.0 V02a Good carrier, barely audible voice AM 05/01/2000 Wed
0300 (GH)
10446.0 V02a weak/QRN AM 10/01/2000 Mon 0300 (JM4)
10446.0 V02a late start - in progress AM 19/01/2000 Wed 0300 (JM4)

10446.6 M08a ----- NMTTN; slightly leads 8098.5 CW 12/01/2000
 Wed 0800 (GH)
 10642.0 S10E ip. USB 18/12/1999 Sat 1305 (HFD)
 10642.0 S10E 111 77844 15 60861 18 83056 16 11864. USB 19/12/1999
 Sun 1300 (HFD)
 10648.0 E10 in progress USB 25/01/2000 Tue 1610 (GG)
 10665.0 V05 //11491 rptg 646 Grupo ? AM 06/01/2000 Thu 0300 (JM4)
 10665.0 V05 //11491 rptg 646 Grupo 206 AM 10/01/2000 Mon 0300 (JM4)
 10665.0 V05 //11491 Counting Station YL/SS: in progress @ 0330 USB
 17/01/2000 Mon 0300 (LAZ)
 10665.0 V05 //11491 rptg 646 Grupo 207 AM 20/01/2000 Thu 0300 (JM4)
 10665.0 V05 //11491 rptg 646 Grupo 207 AM 24/01/2000 Mon 0300 (JM4)
 10714.5 M08a TUAGU NITWU RNUDU CW 25/01/2000 Tue 0200 (JM4)
 10720.0 M03 503/00. CW 28/12/1999 Tue 0900 (HFD)
 10720.0 M03 503 00 CW 18/01/2000 Tue 0900 (LAZ)
 10720.0 M03 503 000 CW 25/01/2000 Tue 0900 (LAZ)
 10726.0 M08 Cuban Cut Numbers: in progress @ 0907 CW 18/01/2000 Tue
 0900 (LAZ)
 11072.0 E05 315 call, //13465 much weaker AM 20/01/2000 Thu 1800
 11431.0 M08 Cuban Cut Numbers: in progress @ 0505 CW 11/01/2000 Tue
 0500 (LAZ)
 11431.5 M08a DTWUD MIUTN TMRTA; slightly leads 8187.5 CW 11/01/2000
 Tue 0500 (GH)
 11432.0 M08 Cuban Cut Numbers: in progress @ 0822 CW 18/01/2000 Tue
 0800 (LAZ)
 11491.0 V05 //10665 rptg 646 Grupo ? AM 06/01/2000 Thu 0300 (JM4)
 11491.0 V05 //10665 rptg 646 Grupo 206 AM 10/01/2000 Mon 0300 (JM4)
 11491.0 V05 //10665 Counting Station YL/SS: in progress @ 0330 USB
 17/01/2000 Mon 0300 (LAZ)
 11491.0 V05 //10665 rptg 646 Grupo 207 AM 20/01/2000 Thu 0300 (JM4)
 11491.0 V05 //10665 rptg 646 Grupo 207 AM 24/01/2000 Mon 0300 (JM4)
 11491.0 V05 //10665 rptg 646 Grupo 207 AM 27/01/2000 Thu 0300 (JM4)
 11524.0 V02a A 33992 03932 18103 AM 26/01/2000 Wed 1500 (JM4)
 11545.0 E03 //12603//13375 in progress USB 06/01/2000 Thu 1500
 11545.0 E03 //12603//13375 rptg 66577 USB 07/01/2000 Fri 1500 (JM4)
 11545.0 E03 //12603//13375 weak USB 07/01/2000 Fri 1600 (JM4)
 11545.0 E03 //14487//16084 rptg 92587 USB 12/01/2000 Wed 1500 (JM4)
 11545.0 E03 //12603//13375 rptg 12604 USB 13/01/2000 Thu 1500 (JM4)
 11545.0 E03 //12603//13375 rptg 66577 USB 14/01/2000 Fri 1500 (JM4)
 11545.0 E03 //12603 weak - only tune audible USB 14/01/2000 Fri
 11545.0 E03 //12603//13375 weak USB 15/01/2000 Sat 1600 (JM4)
 11545.0 E03 //12603//15682 in progress USB 17/01/2000 Mon 1500
 11545.0 E03 //12603//13375 weak USB 17/01/2000 Mon 1600 (JM4)
 11545.0 E03 //6959 L-Shire Poacher YL/EE: id 16860 USB 17/01/2000
 Mon 2000 (LAZ)
 11545.0 E03 //12603//13375 rptg 71998 USB 18/01/2000 Tue 1600 (JM4)
 11545.0 E03 //6959//9251 rptg 34047 USB 18/01/2000 Tue 2200 (JM4)
 11545.0 E03 //14487//16084 rptg 88349 USB 19/01/2000 Wed 1500 (JM4)

11545.0 E03 //12603//13375 rptg 75446 USB 21/01/2000 Fri 1500 (JM4)
11545.0 E03 //13375//15682 rptg 71998 USB 24/01/2000 Mon 1500 (JM4)
11545.0 E03 //12603//13375 rptg 47674 USB 24/01/2000 Mon 1600 (JM4)
11545.0 E03 //13375//15682 rptg 71998 USB 25/01/2000 Tue 1600 (JM4)
11545.0 E03 //14487//16084 rptg 88349 USB 26/01/2000 Wed 1500 (JM4)
11565.0 E10 Mossad YL/EE: v. faint USB 11/01/2000 Tue 0500 (LAZ)
11565.0 E10 EZI USB 13/01/2000 Thu 1700 (GG)
11565.0 E10 EZI USB 13/01/2000 Thu 1730 (GG)
11565.0 E10 In Progress USB 13/01/2000 Thu 1913 (GG)
11565.0 E10 In progress (BC in background) USB 13/01/2000 Thu 1940 (GG)
11565.0 E10 In progress USB 14/01/2000 Fri 1712 (GG)
11565.0 E10 EZI heavily covered by BC USB 14/01/2000 Fri 2100 (GG)
11565.0 E10 Mossad YL/EE: EZI2 USB 17/01/2000 Mon 0630 (LAZ)
11566.0 V02 Spanish Lady YL/SS: in progress @ 0308 AM 07/01/2000 Fri 0300 (LAZ)
11566.0 V02a Atencion 89742 44173 38522 (but cf UT 0207/12215 log) AM 07/01/2000 Fri 0300 (GH)
11566.0 V02a A 89542 44163 38522 AM 07/01/2000 Fri 0300 (JM4)
11566.0 V02a low audio - unreadable AM 14/01/2000 Fri 0300 (JM4)
11566.0 V02a unreadable - low audio AM 21/01/2000 Fri 0300 (JM4)
12165.0 V02 Spanish Lady YL/EE: in progress @ 0214 AM 17/01/2000 Mon 0200 (LAZ)
12165.0 V02a weak/QRN AM 10/01/2000 Mon 0200 (JM4)
12165.0 V02a late start :20 i/p AM 24/01/2000 Mon 0200 (JM4)
12180.0 V02a A 15251 64851 24312 AM 12/01/2000 Wed 0200 (JM4)
12180.0 V02a weak/unreadable AM 19/01/2000 Wed 0200 (JM4)
12180.0 V02a? Carrier; very weak or late start? (cf UT 0218/9024) AM 05/01/2000 Wed 0200 (GH)
12215.0 V02a Atencion 66773 19031 38013 AM 01/01/2000 Sat 0000 (GH)
12215.0 V02a A 89542 44163 38522 AM 07/01/2000 Fri 0200 (JM4)
12215.0 V02a In prog; msg 2 @:17 for 44163 AM 07/01/2000 Fri 0207
12215.0 V02a A 48101 19032 16551 AM 08/01/2000 Sat 0000 (JM4)
12215.0 V02a in progress AM 14/01/2000 Fri 0200 (JM4)
12215.0 V02a A 48102 19033 16552 AM 15/01/2000 Sat 0000 (JM4)
12215.0 V02a A 05893 52583 59092 AM 21/01/2000 Fri 0200 (JM4)
12215.0 V02a A 52863 46533 44832 AM 28/01/2000 Fri 0200 (JM4)
12300.5 V05 12300.5//14421. Could be barely heard above noise threshold. AM 25/12/1999 Sat 0300 (JM4)
12300.5 V05 //14421 rptg 109 Grupo 53 AM 08/01/2000 Sat 0300 (JM4)
12300.5 V05 The Counting Station YL/EE: id 109 grupo ??? USB 11/01/2000 Tue 0300 (LAZ)
12300.5 V05 //14421 rptg 109 Grupo 53 AM 15/01/2000 Sat 0300 (JM4)
12300.5 V05 //14421 rptg 109 Grupo 53 AM 18/01/2000 Tue 0300 (JM4)
12300.5 V05 //14421 rptg 109 Grupo 53 AM 22/01/2000 Sat 0300 (JM4)
12300.5 V05 //14421 rptg 109 Grupo 53 AM 25/01/2000 Tue 0300 (JM4)
12603.0 E03 56017 //16314 14487. USB 28/12/1999 Tue 1400 (HFD)
12603.0 E03 //11545//13375 in progress USB 06/01/2000 Thu 1500

12603.0 E03 //14487 rptg 92587 USB 06/01/2000 Thu 1600 (JM4)
12603.0 E03 //11545//13375 rptg 66577 USB 07/01/2000 Fri 1500 (JM4)
12603.0 E03 //11545//13375 weak USB 07/01/2000 Fri 1600 (JM4)
12603.0 E03 //11545//13375 rptg 12604 USB 13/01/2000 Thu 1500 (JM4)
12603.0 E03 //8464//14487 rptg 92587 USB 13/01/2000 Thu 1600 (JM4)
12603.0 E03 //11545//13375 rptg 66577 USB 14/01/2000 Fri 1500 (JM4)
12603.0 E03 //11545 weak - only tune audible USB 14/01/2000 Fri
12603.0 E03 //11545//13375 weak USB 15/01/2000 Sat 1600 (JM4)
12603.0 E03 //11545//15682 in progress USB 17/01/2000 Mon 1500
12603.0 E03 //11545//13375 weak USB 17/01/2000 Mon 1600 (JM4)
12603.0 E03 weak USB 17/01/2000 Mon 1900 (JM4)
12603.0 E03 weak USB 17/01/2000 Mon 1900 (JM4)
12603.0 E03 //11545//13375 rptg 71998 USB 18/01/2000 Tue 1600 (JM4)
12603.0 E03 //14487//16475 rptg 71998 USB 20/01/2000 Thu 1800 (JM4)
12603.0 E03 //11545//13375 rptg 75446 USB 21/01/2000 Fri 1500 (JM4)
12603.0 E03 //11545//13375 rptg 47674 USB 24/01/2000 Mon 1600 (JM4)
13375.0 E03 //11545//12603 in progress USB 06/01/2000 Thu 1500
13375.0 E03 //11545//12603 rptg 66577 USB 07/01/2000 Fri 1500 (JM4)
13375.0 E03 //11545//12603 weak USB 07/01/2000 Fri 1600 (JM4)
13375.0 E03 //11545//12603 rptg 12604 USB 13/01/2000 Thu 1500 (JM4)
13375.0 E03 //11545//12603 rptg 66577 USB 14/01/2000 Fri 1500 (JM4)
13375.0 E03 //11545//12603 weak USB 15/01/2000 Sat 1600 (JM4)
13375.0 E03 //11545//12603 weak USB 17/01/2000 Mon 1600 (JM4)
13375.0 E03 //11545//12603 rptg 71998 USB 18/01/2000 Tue 1600 (JM4)
13375.0 E03 //11545//12603 rptg 75446 USB 21/01/2000 Fri 1500 (JM4)
13375.0 E03 //11545//15682 rptg 71998 USB 24/01/2000 Mon 1500 (JM4)
13375.0 E03 //11545//12603 rptg 47674 USB 24/01/2000 Mon 1600 (JM4)
13375.0 E03 //11545//15682 rptg 71998 USB 25/01/2000 Tue 1600 (JM4)
13375.0 V02a in progress AM 14/01/2000 Fri 2300 (JM4)
13436.0 V02 Spanish Lady YL/SS: hard to hear beneath CW AM
27/01/2000 Thu 0100 (LAZ)
13452.0 E05 TCS YL/SS //15651 w/a 128 grp msg for 946. AM
31/12/1999 Fri 0100 (JM4)
13452.0 E05 In prog; @:19 rpt grupo 110 492/83... //15651 AM
12/01/2000 Wed 0111 (GH)
13452.0 V05 //15651 rptg 946 Grupo ? AM 07/01/2000 Fri 0100 (JM4)
13452.0 V05 //15651 rptg 074 Grupo 110 AM 12/01/2000 Wed 0100 (JM4)
13452.0 V05 //15651 rptg 074 Grupo 110 AM 14/01/2000 Fri 0100 (JM4)
13452.0 V05 //15651 rptg 074 Grupo 110 AM 21/01/2000 Fri 0100 (JM4)
13452.0 V05 //15651 rptg 074 Grupo 110 AM 28/01/2000 Fri 0100 (JM4)
13533.0 E10 EZI USB 13/01/2000 Thu 1700 (GG)
13533.0 E10 In progress USB 14/01/2000 Fri 1712 (GG)
13533.0 E10 EZI 46 MDXFN USB 14/01/2000 Fri 1800 (GG)
13555.0 E03 Weak. AM 02/01/2000 Sun 1500 (PA)
13555.0 E05 447/215 24494 09848. //15732. USB 24/12/1999 Fri 1400
(HFD)
13555.0 E05 //15732 in progress/weak AM 21/01/2000 Fri 1400 (JM4)
13750.0 E03 Extremely weak but detectible. USB 09/01/2000 Sun 1300

13750.0 V13 YL/CC w/flute interval AM 17/01/2000 Mon 1600 (JM4)
13835.0 E06 783 call, then 650 - 293.Weak,missed many
groups,frequency may be +/- 1 Khz AM 12/01/2000 Wed
13906.0 E05 969 //15732. USB 15/01/1999 Wed 1200 (HFD)
14421.0 V05 //12300.5 rptg 109 Grupo 53 AM 08/01/2000 Sat 0300
14421.0 V05 The Counting Station YL/EE: id 109 grupo ??? USB
11/01/2000 Tue 0300 (LAZ)
14421.0 V05 //12300.5 rptg 109 Grupo 53 AM 15/01/2000 Sat 0300
14421.0 V05 //12300.5 rptg 109 Grupo 53 AM 18/01/2000 Tue 0300
14421.0 V05 //12300.5 rptg 109 Grupo 53 AM 22/01/2000 Sat 0300
14421.0 V05 //12300.5 rptg 109 Grupo 53 AM 25/01/2000 Tue 0300
14448.0 E05 extremely weak AM 14/01/2000 Fri 1700 (JM4)
14487.0 E03 56017 //16314 12603. USB 28/12/1999 Tue 1400 (HFD)
14487.0 E03 Weak signal AM 02/01/2000 Sun 1300 (PA)
14487.0 E03 //12603 rptg 92587 USB 06/01/2000 Thu 1600 (JM4)
14487.0 E03 //15682//16084 L-Shire Poacher YL/EE: id 67209 USB
09/01/2000 Sun 1200 (LAZ)
14487.0 E03 Weak. USB 09/01/2000 Sun 1300 (PA)
14487.0 E03 12604 call, //16084 very weak USB 12/01/2000 Wed 1400
14487.0 E03 //11545//16084 rptg 92587 USB 12/01/2000 Wed 1500 (JM4)
14487.0 E03 //8464//12603 rptg 92587 USB 13/01/2000 Thu 1600 (JM4)
14487.0 E03 17431 call, //10426 USB 16/01/2000 Sun 1400 (BA)
14487.0 E03 //11545//16084 rptg 88349 USB 19/01/2000 Wed 1500 (JM4)
14487.0 E03 //12603//16475 rptg 71998 USB 20/01/2000 Thu 1800 (JM4)
14487.0 E03 //15682//16084 in progress USB 21/01/2000 Fri 1400
14487.0 E03 //11545//16084 rptg 88349 USB 26/01/2000 Wed 1500 (JM4)
14577.0 E05 //16198. USB 15/01/1999 Wed 1200 (HFD)
14649.0 M22 //18482 4XZ in tfc CW 17/01/2000 Mon 1600 (JM4)
14649.0 M22 //18482 4XZ in tfc CW 20/01/2000 Thu 1800 (JM4)
14905.0 E05 845 call, count 139,header: 577-73,006-25... AM
13/01/2000 Thu 1400 (BA)
14931.0 M16 //10248 8BY w/traffic CW 12/01/2000 Wed 0140 (JM4)
14931.0 M16 //18416//20947 8BY tfc 694 CW 14/01/2000 Fri 1740 (JM4)
14931.0 M16 //18415//20946 8BY w/tfc CW 25/01/2000 Tue 1740 (JM4)
15651.0 E05 In prog; @:19 rpt grupo 110 492/83... //13452 AM
12/01/2000 Wed 0111 (GH)
15651.0 V05 //13452 rptg 946 Grupo ? AM 07/01/2000 Fri 0100 (JM4)
15651.0 V05 //13452 rptg 074 Grupo 110 AM 12/01/2000 Wed 0100 (JM4)
15651.0 V05 //13452 rptg 074 Grupo 110 AM 14/01/2000 Fri 0100 (JM4)
15651.0 V05 //13452 rptg 074 Grupo 110 AM 21/01/2000 Fri 0100 (JM4)
15651.0 V05 //13452 rptg 074 Grupo 110 AM 28/01/2000 Fri 0100 (JM4)
15682.0 E03 //14487//16084 L-Shire Poacher YL/EE: id 67209 USB
09/01/2000 Sun 1200 (LAZ)
15682.0 E03 //11545//12603 in progress USB 17/01/2000 Mon 1500
15682.0 E03 //14487//16084 in progress USB 21/01/2000 Fri 1400
15682.0 E03 //11545//13375 rptg 71998 USB 24/01/2000 Mon 1500 (JM4)
15682.0 E03 //11545//13375 rptg 71998 USB 25/01/2000 Tue 1600 (JM4)
15732.0 E05 969 //13906. USB 15/12/1999 Wed 1200 (HFD)

15732.0 E05 447/215 24494 09848. //13555. USB 24/12/1999 Fri 1400 (HFD)
15732.0 E05 //10396 The Counting Station YL/EE: id 802 count 215 USB 09/01/2000 Sun 1200 (LAZ)
15732.0 E05 //13555 in progress/weak AM 21/01/2000 Fri 1400 (JM4)
15980.0 E10 in progress UEB 21/01/2000 Fri 1352 (GG)
15980.0 E10 EZI 21 CJMTM USB 26/01/2000 Wed 1130 (GG)
16084.0 E03 Weak signal. AM 02/01/2000 Sun 1300 (PA)
16084.0 E03 Very weak LP tune?? USB 08/01/2000 Sat 1800 (GH)
16084.0 E03 //14487//15682 L-Shire Poacher YL/EE: id 67209 USB 09/01/2000 Sun 1200 (LAZ)
16084.0 E03 Weak. USB 09/01/2000 Sun 1300 (PA)
16084.0 E03 74214 call, //14487 USB 12/01/2000 Wed 1300 (BA)
16084.0 E03 //11545//14487 rptg 92587 USB 12/01/2000 Wed 1500 (JM4)
16084.0 E03 66577 call, // 14487 USB 13/01/2000 Thu 1400 (BA)
16084.0 E03 //11545//14487 rptg 88349 USB 19/01/2000 Wed 1500 (JM4)
16084.0 E03 //14487//15682 in progress USB 21/01/2000 Fri 1400
16084.0 E03 //11545//14487 rptg 88349 USB 26/01/2000 Wed 1500 (JM4)
16198.0 E05 035 //14577. USB 15/12/1999 Wed 1200 (HFD)
16314.0 E03 56017 //14487 12603. USB 28/12/1999 Tue 1400 (HFD)
16475.0 E03 //12603//14487 rptg 71998 USB 20/01/2000 Thu 1800 (JM4)
17050.0 M22 4XZ in tfc CW 17/01/2000 Mon 1600 (JM4)
17050.0 M22 4XZ in tfc CW 20/01/2000 Thu 1800 (JM4)
17410.0 E10 Mossad YL/EE: EZI USB 06/01/2000 Thu 0830 (LAZ)
17410.0 E10 EZI 45 TNXBX USB 14/01/2000 Fri 0830 (GG)
17410.0 E10 In progress USB 14/01/2000 Fri 1236 (GG)
17410.0 E10 //19715 Mossad YL/EE: EZI2 USB 17/01/2000 Mon 0930
17410.0 E10 //19715 Mossad YL/EE: EZI group 47 USB 18/01/2000 Tue 0830 (LAZ)
17410.0 E10 in progress UEB 21/01/2000 Fri 1352 (GG)
17410.0 E10 EZI 21 CJMTM USB 26/01/2000 Wed 1130 (GG)
17499.0 E03a Is. USB 15/12/1999 Wed 1200 (HFD)
17499.0 E03a //22108 rptg 88178 USB 07/01/2000 Fri 0000 (JM4)
17499.0 E03a //22108 rptg 02650 USB 12/01/2000 Wed 0000 (JM4)
17499.0 E03a //22108 rptg 02650 USB 12/01/2000 Wed 2300 (JM4)
17499.0 E03a //22108 rptg 70120 USB 13/01/2000 Thu 0000 (JM4)
17499.0 E03a //24644 rptg 25453 USB 17/01/2000 Mon 2200 (JM4)
17499.0 E03a //22108 weak USB 17/01/2000 Mon 2300 (JM4)
17499.0 E03a //22108 rptg 67061 USB 18/01/2000 Tue 0000 (JM4)
17499.0 E03a //24644 rptg 02169 USB 18/01/2000 Tue 2200 (JM4)
17499.0 E03a //22108 rptg 67061 USB 18/01/2000 Tue 2300 (JM4)
17499.0 E03a //22108 rptg 45064 USB 19/01/2000 Wed 0000 (JM4)
17499.0 E03a //22108 in progress USB 19/01/2000 Wed 2300 (JM4)
17499.0 E03a //22018 rptg 67985 USB 20/01/2000 Thu 0000 (JM4)
17499.0 E03a //22108 weak USB 20/01/2000 Thu 2300 (JM4)
17499.0 E03a //22108 weak USB 21/01/2000 Fri 0000 (JM4)
17499.0 E03a //22108 rptg 02169 USB 24/01/2000 Mon 0000 (JM4)
17499.0 E03a //22108 rptg 02169 USB 24/01/2000 Mon 2300 (JM4)

17499.0 E03a //22108 rptg 67061 USB 25/01/2000 Tue 0000 (JM4)
17499.0 E03a //22108 weak USB 26/01/2000 Wed 0000 (JM4)
17499.0 E03a //22108 rptg 45064 USB 26/01/2000 Wed 2300 (JM4)
17499.0 E03a //22108 in progress USB 28/01/2000 Fri 0000 (JM4)
17499.0 E04 USB 06/01/2000 Thu 1301 (PB)
17499.0 E04 Cherry Ripe YL/EE: in progress @ 2226 USB 16/01/2000
Sun 2200 (LAZ)
17499.0 E04 just audible under R.Bulgaria USB 25/01/2000 Tue 1200
17499.0 E04 start 78504 USB 25/01/2000 Tue 1300 (PB)
17499.0 E04 Start 67061 //22108 (inaudible) USB 28/01/2000 Fri 1300
18176.0 E05 //19325 rptg 069 Count 1_2 AM 06/01/2000 Thu 1600 (JM4)
18176.0 E05 //19325 rptg 065 Count 162 AM 07/01/2000 Fri 1600 (JM4)
18415.0 M16 //14931//20946 8BY w/tfc CW 25/01/2000 Tue 1740 (JM4)
18416.0 M16 //14931//20947 8BY tfc 694 CW 14/01/2000 Fri 1740 (JM4)
18475.0 V02 A 958/08 and 08/52 late start & over AM 13/01/2000 Thu
2306 (JM4)
18475.0 V02 A 958/08 and 08/60 AM 20/01/2000 Thu 2300 (JM4)
18482.0 M22 4XZ marker CW 14/01/2000 Fri 1720 (JM4)
18482.0 M22 //14649 4XZ in tfc CW 17/01/2000 Mon 1600 (JM4)
18482.0 M22 //14649 4XZ in tfc CW 20/01/2000 Thu 1800 (JM4)
19325.0 E05 //18176 rptg 069 Count 1_2 AM 06/01/2000 Thu 1600 (JM4)
19325.0 E05 //18176 rptg 065 Count 162 AM 07/01/2000 Fri 1600 (JM4)
19715.0 E10 Mossad YL/EE: EZI USB 06/01/2000 Thu 0830 (LAZ)
19715.0 E10 EZI 45 TNXBX USB 14/01/2000 Fri 0830 (GG)
19715.0 E10 //17410 Mossad YL/EE: EZI2 USB 17/01/2000 Mon 0930
19715.0 E10 //17410 Mossad YL/EE: EZI group 47 USB 18/01/2000 Tue
0830 (LAZ)
19715.0 E10a EZI2 USB 18/01/2000 Tue 1400 (GG)
19884.0 E03a //21866 weak USB 07/01/2000 Fri 0100 (JM4)
19884.0 E03a //21866 rptg 70120 USB 12/01/2000 Wed 0100 (JM4)
19884.0 E03a //21866 rptg 88178 USB 13/01/2000 Thu 0100 (JM4)
19884.0 E03a //21866 rptg 45064 USB 18/01/2000 Tue 0100 (JM4)
19884.0 E03a //21866 in progress USB 19/01/2000 Wed 0100 (JM4)
19884.0 E03a //21866 in progress USB 20/01/2000 Thu 0100 (JM4)
19884.0 E03a //21866 in progress USB 24/01/2000 Mon 0100 (JM4)
19884.0 E03a //21866 rptg 45064 USB 25/01/2000 Tue 0100 (JM4)
19884.0 E03a //21866 rptg 34308 USB 27/01/2000 Thu 0100 (JM4)
19884.0 E03a //21866 rptg 70452 USB 28/01/2000 Fri 0100 (JM4)
20474.0 E03A 30861 //23461. USB 17/12/1999 Fri 1100 (HFD)
20474.0 E04 V.Weak start 67985 USB 25/01/2000 Tue 1000 (PB)
20946.0 M16 //14931//18415 8BY w/tfc CW 25/01/2000 Tue 1740 (JM4)
20947.0 M16 //14931//18416 8BY tfc 694 CW 14/01/2000 Fri 1740 (JM4)
21866.0 E03a //19884 weak USB 07/01/2000 Fri 0100 (JM4)
21866.0 E03a //19884 rptg 70120 USB 12/01/2000 Wed 0100 (JM4)
21866.0 E03a //19884 rptg 88178 USB 13/01/2000 Thu 0100 (JM4)
21866.0 E03a //19884 rptg 45064 USB 18/01/2000 Tue 0100 (JM4)
21866.0 E03a //19884 in progress USB 19/01/2000 Wed 0100 (JM4)
21866.0 E03a //19884 in progress USB 20/01/2000 Thu 0100 (JM4)

21866.0 E03a weak USB 21/01/2000 Fri 0100 (JM4)
 21866.0 E03a //19884 rptg 45064 USB 25/01/2000 Tue 0100 (JM4)
 21866.0 E03a weak USB 26/01/2000 Wed 0100 (JM4)
 21866.0 E03a //19884 rptg 34308 USB 27/01/2000 Thu 0100 (JM4)
 21866.0 E03a //19884 rptg 70452 USB 28/01/2000 Fri 0100 (JM4)
 21930.0 E10a EZI2 USB 26/01/2000 Wed 1200 (GG)
 22108.0 E03a rptg 70100 USB 06/01/2000 Thu 0000 (JM4)
 22108.0 E03a //17499 rptg 88178 USB 07/01/2000 Fri 0000 (JM4)
 22108.0 E03a //17499 rptg 02650 USB 12/01/2000 Wed 0000 (JM4)
 22108.0 E03a //17499 rptg 02650 USB 12/01/2000 Wed 2300 (JM4)
 22108.0 E03a //17499 rptg 70120 USB 13/01/2000 Thu 0000 (JM4)
 22108.0 E03a weak USB 13/01/2000 Thu 2300 (JM4)
 22108.0 E03a weak USB 14/01/2000 Fri 0000 (JM4)
 22108.0 E03a //17499 weak USB 17/01/2000 Mon 2300 (JM4)
 22108.0 E03a //17499 rptg 67061 USB 18/01/2000 Tue 0000 (JM4)
 22108.0 E03a //17499 rptg 67061 USB 18/01/2000 Tue 2300 (JM4)
 22108.0 E03a //17499 rptg 45064 USB 19/01/2000 Wed 0000 (JM4)
 22108.0 E03a //17499 in progress USB 19/01/2000 Wed 2300 (JM4)
 22108.0 E03a //17499 rptg 67985 USB 20/01/2000 Thu 0000 (JM4)
 22108.0 E03a //17499 weak USB 20/01/2000 Thu 2300 (JM4)
 22108.0 E03a //17499 weak USB 21/01/2000 Fri 0000 (JM4)
 22108.0 E03a //17499 rptg 02169 USB 24/01/2000 Mon 0000 (JM4)
 22108.0 E03a //19884 in progress USB 24/01/2000 Mon 0100 (JM4)
 22108.0 E03a //17499 rptg 02169 USB 24/01/2000 Mon 2300 (JM4)
 22108.0 E03a //22108 rptg 67061 USB 25/01/2000 Tue 0000 (JM4)
 22108.0 E03a start 78504 USB 25/01/2000 Tue 1300 (PB)
 22108.0 E03a //17499 weak USB 26/01/2000 Wed 0000 (JM4)
 22108.0 E03a //17499 rptg 45064 USB 26/01/2000 Wed 2300 (JM4)
 22108.0 E03a in progress USB 27/01/2000 Thu 0000 (JM4)
 22108.0 E03a //17499 in progress USB 28/01/2000 Fri 0000 (JM4)
 22108.0 E04 USB 06/01/2000 Thu 1305 (PB)
 23461.0 E03A 30861 //20474. USB 17/12/1999 Fri 1100 (HFD)
 23461.0 E04 start 67895 USB 25/01/2000 Tue 1000 (PB)
 23461.0 E04 start 34308 USB 25/01/2000 Tue 1100 (PB)
 23461.0 E04 start 70452 USB 25/01/2000 Tue 1200 (PB)
 24644.0 E03a rptg 02650 USB 13/01/2000 Thu 2200 (JM4)
 24644.0 E03a //17499 rptg 25453 USB 17/01/2000 Mon 2200 (JM4)
 24644.0 E03a //17499 rptg 02169 USB 18/01/2000 Tue 2200 (JM4)

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